Modbus register address V2.00

MODBUS Protocol for Energy Storage Inverter - Register Address Table

- Note:
 1. The register displayed in gray font is invalid for the energy storage inverter.
 2. Magnification refers to the multiple of the actual value than the register value. If the magnification is 0.1, the actual value is the register value multiplied by 0.1.

Address	Lengt h	English Name	R/W	Magnif ication	Unit	Display Format	Signed/Unsign ed P00 Product	m	m	Default	Remark
A	1	MinorVersion	R	1		%d	Unsigned	mormano	II Alea		Reserved Product type 00 (domestic controller)
В	1	MachType	R	1	-	%d	Unsigned				01 (controller for street light) 03 (grid-connected inverter) 04 (all-in-one solar charger inverter) 05 (power frequency off-grid)
С	8	ProductInfoReversed01	R	1	-	%s	Unsigned				Reserved
14	2	SoftWareVersion	R	1	-	%d	Unsigned				0×0014: APP version (e.g.,100 for V1.00) 0×0015: BOOTLOADER version (e.g.,100 for V1.00), reserved
16	2	HardWareVersion	R	1	-	%d	Unsigned				0×0016 : control panel version (e.g.,100 for V1.00) 0×0017 : power amplifier board version (e.g.,100 for V1.00), reserved
18 1 A	2	ProductInfoReversed02 Rs485Addr	R R	1	-	%x %d	Unsigned Unsigned				Rs485 address, which is read-only
1B	1	MachModelNum2	R	1	-	%d	Unsigned				0×001C: protocol version (e.g.,100 for V1.00)
1C	2	RS485Version	R	1	-	%x	Unsigned				0×001D: reserved
1E	2	ManufactureDate	R	1		%x	Unsigned				0×001E: high byte: year, low byte: month 0×001F: high byte: day, low byte: hour 0: Shenzhen
20	1	ProductAreaCode	R	1	-	%x	Unsigned				1: Dongguan
21 35	20 20	CpuBuidTime ProductSNStr	R R	1	-	%s %s	Unsigned				String format, with the low bytes of each register valid and the high bytes invalid
49	1	ProductInfoReversed03	R	1	-	%x	Unsigned Unsigned				String format, with the low bytes of each register valid and the high bytes invalid
							P01 DC	C Data Area	a		
100 101	1	BatSoc BatVolt	R R	0.1	- V	%d %.1fV	Unsigned Unsigned				Percentage of remaining battery power Battery voltage (e.g., 485 for 48.5 V)
102	1	ChargeCurr	R	0.1	A	%.1fA	Signed				Battery votage (e.g., 465 to 46.5 V) Battery current (e.g., 500 for 50.0A)
102	1		R	0.1	°C	%.1f°C					Current greater than 0 indicates discharging; and current less than 0 indicates charging.
103	1	DeviceBatTemper Battery SOH	R	0.1	v	%.11 C	Signed Unsigned				Battery temperature Reserved
105	1	Battery rated capacity	R	0.01	A	%.2fA	Unsigned				Reserved
106 107	1	Battery remain capacity Pv1Volt	R R	0.1	W V	%d %.1fV	Unsigned Unsigned				Reserved Voltage of PV panel 1
108	1	Pv1Curr	R	0.1	A	%.1fA	Unsigned				Current of PV panel 1
109 10A	1	Pv1ChargePower PvTotalPower	R R	1	W	%d %d	Unsigned Unsigned				Power of PV panel 1 Total PV power
10B	1	ChargeState	R	1	-	%d	Unsigned				0×0000: Ćharge off 0×0001: Quick charge 0×0002: Const voltage charge 0×0004: Float charge 0×0005: Reserved 0×0006: Li battery activate 0×0008: Full
10C	1	BatteryCycleCount	R	2	-	%d	Unsigned				
10D	1	DcDataRevserved04	R	1	W	%d	Unsigned				Reserved
10E 10F	1	ChargePower Pv2Volt	R R	0.1	V V	%dW %.1fV	Unsigned Unsigned				PV charging power + AC charging power Voltage of PV panel 2
110	1	Pv2Curr	R	0.1	A	%.1fA	Unsigned				Current of PV panel 2
111 112	1	Pv2ChargePower BatBmsVolt	R R	0.1	W V	%d %.1fV	Unsigned 无				Power of PV panel 2
113	1	BatBmsCurr	R	0.1	A	%.1fA	无				
114	1	BatBmsTemp	R	0.1	°C	%.1f℃	有				
115 116	1	BatBmsChgLimitVolt BatBmsChgLimitCurr	R R	0.1	V A	%.1fV %.1fA	无 无				
117	1	BatBmsDchgLimitCurr	R	0.1	A	%.1fA	无				
118 119	1	BmsAlarmH BmsAlarmL	R R	1	=	%x %x	无 无				
11A	1	BmsProtectH	R	1	-	%x	无				
11B	1	BmsProtectL	R	1	-	%x	无				
200	4	CurrErrReg	R	1		%x	P02 Inver Unsigned	rter Data A	rea		Each fault bit represents a fault, with a total of 64 bits. This register is used by the internal debugging.
204	4	CurrFcode	R	1	-	%d	Unsigned				There are four addresses. Each address stores a fault code corresponding to the current fault. Four fault codes can be displayed at the same time. 0 indicates no fault. If there are two faults, battery under-voltage and inverter overload, the following information is displayed: 0×204: 01 0×205: 14 0×205: 00 0×207: 00
208	4	ReservedInvData0	R	2		%x	Unsigned				Reserved
20C	3	SysDateTime	RW	1	-	%zdt	Unsigned				Nov20C: high byte: year, low byte: month 0×020C: high byte: day, low byte: hour 0×020E: high byte: minute, low byte: second
20F	1	GridOnRemainTime	R	1	s	%d	Unsigned				The register can be set to adjust the RTC clock.
201		OHIO III CHIAIII I IIIIC	K		3	/0U	onsigned				

Address Lengt English Name R/W Magnif Unit Display Signed/Unsign Minimu Max Format ed m n	Default Remark U. Power-on detay 1: Standby state 2: Initialization 3: Soft start 4: AC power operation 5: Inverter operation 6: Inverter of inverter 7: AC power to inverter 8: Battery activation 9: Manual shutdown 10: Fault Split-phase all-in-one machines and European standard single-phase 8–12K machines are as follows:
210 1 MachineState R 1 - %d Unsigned	1: Standby state 2: Initialization 3: Soft start 4: AC power operation 5: Inverter operation 6: Inverter to AC power 7: AC power to inverter 8: Battery activation 9: Manual shutdown 10: Fault Split-phase all-in-one machines and European standard single-phase 8–12K machines are as
	IOHOWS:
	0: Initialization 1: Standby state 2: AC power operation 3: Inverter operation
211 1 PriorityFlag R 1 - %d Unsigned	O: Users have not entered password 1: The password of users is entered 4: The password of the manufacturer is entered
212 1 BusVoltSum R 0.1 V %.1fV Unsigned 213 1 GridVoltA R 0.1 V %.1fV Unsigned	AC power phase-A voltage
214 1 GridCurrA R 0.1 A %.1fA Unsigned	AC power phase-A current
215 1 GridFreq R 0.01 Hz %.2fHz Unsigned 216 1 InvVoltA R 0.1 V %.1fV Unsigned	AC power frequency Inverter phase-A output voltage
217 1 InvCurrA R 0.1 A %.1fA Unsigned	Inverter phase-A inductive current
218 1 InvFreq R 0.01 Hz %.2fHz Unsigned 219 1 LoadCurrA R 0.1 A %.1fA Unsigned	Load side phase-A current
219 1 LoadCurrA R 0.1 A %.1fA Unsigned 21A 1 LoadPF R 0.01 - %.2f Signed	Unused Unused
21B 1 LoadActivePowerA R 1 W %dW Unsigned	Phase-A load active power
21C 1 LoadApparentPowerA R 1 VA %dVA Unsigned 21D 1 InvDeVolt R 1 mV %dmV Signed	Phase-A load apparent power Unused
21E 1 LineChgCurr R 0.1 A %.1fA Unsigned	Charging current from the AC power on the battery side
21F 1 LoadRatioA R 1 % 40% Unsigned 220 1 Tempera R 0.1 °C %.1f°C Signed	Phase-A load ratio Cooling-fin DC-DC temperature
221 1 Temperb R 0.1 °C %.1f°C Signed	Cooling-fin DC-AC temperature
222 1 Temperc R 0.1 °C %.1f°C Signed 223 1 Temperd R 0.1 °C %.1f°C Signed	Transformer temperature Ambient temperature
224 l Ibuckl R 0.1 A %.1fA Unsigned	Charging current from the PV power on the battery side
225 1 ParallCurrRms R 0.1 A %.1fA Unsigned 226 1 Invfaultstate R 1 - %d Unsigned	High-pressure parallel use Available for customized models only
227 1 ChargeStatus R 1 - %d Unsigned	Available for customized models only
228 1 PBusVolt R 0.1 V %.1fV Unsigned 229 1 NBusVolt R 0.1 V %.1fV Unsigned	Suitable for the split-phase all-in-one machine and European standard machine of 10 kW Suitable for the split-phase all-in-one machine and European standard machine of 10 kW
22A 1 GridVoltB R 0.1 V %.1fV Unsigned	AC power phase-B voltage
22B 1 GridVoltC R 0.1 V %.1fV Unsigned 22C 1 InvVoltB R 0.1 V %.1fV Unsigned	AC power phase-C voltage Inverter phase-B output voltage
22D 1 InvVoltC R 0.1 V %.1fV Unsigned	Inverter phase-C output voltage
22E 1 InvCurrB R 0.1 A %.1fA Unsigned 22F 1 InvCurrC R 0.1 A %.1fA Unsigned	Inverter phase-B inductive current Inverter phase-C inductive current
230 1 LoadCurrB R 0.1 A %.1fA Unsigned	Load side phase-B current
231 1 LoadCurrC R 0.1 A %.1fA Unsigned 232 1 LoadActivePowerB R 1 W %dW Unsigned	Load side phase-C current
233 1 LoadActivePowerC R 1 W %dW Unsigned	
234 1 LoadReactivePowerB R 1 VA %dVA Unsigned 235 1 LoadReactivePowerC R 1 VA %dVA Unsigned	
236 1 LoadRatioB R 1 % %d% Unsigned	Phase-B load ratio
237 1 LoadRatioC R 1 % %d% Unsigned 238 1 GridCurrB R 0.1 A %.1fA Unsigned	Phase-C load ratio AC power phase-B current
239 1 GridCurrC R 0.1 A %.1fA Unsigned	AC power phase-B current AC power phase-C current
23A 1 GridActivePowerA R 1 A %dW Signed	Greater than 0 for power of grid connection; Less than 0 for power of grid consumption
23B 1 GridActivePowerB R 1 A %dW Signed	Greater than 0 for power of grid connection; Less than 0 for power of grid consumption Greater than 0 for power of grid connection;
23C 1 GridActivePowerC R 1 A %dW Signed	Less than 0 for power of grid consumption
23D 1 GridApparentPowerA R 1 VA %dVA Unsigned 23E 1 GridApparentPowerB R 1 VA %dVA Unsigned	
23E 1 GridApparentPowerB R 1 VA %dVA Unsigned 23F 1 GridApparentPowerC R 1 VA %dVA Unsigned	
240 1 HomeLoadActivePowerA R 1 W %dW Unsigned	
241 1 HomeLoadActivePowerB R 1 W %dW Unsigned 242 1 HomeLoadActivePowerC R 1 W %dW Unsigned	
243 1 Active power of A/L1 phase minor R 1 W %dW Unsigned	
load 1 Active power of B/L2 phase minor R 1 W %dW Unsigned	
245 Active power of C/L3 phase minor R 1 W %dW Unsigned	
load P03 Device Control Area	
	0: Off
DF00 1 CmdPowerOnOff W 1 - %x Unsigned	1: on Others: no action 1. Reset
DF01 1 CmdMachineReset W 1 - %x Unsigned	Others: no action 0×AA: restoring
DF02 1 CmdRestoreFactorySetting W 1 - %x Unsigned	0×BB: clear the statistics (power statistics) 0×CC: clearing the fault history Others: no action Restore factory set values to clear all cumulative data and restore parameters to the default state, and restart to take effect.
DF03 1 Are fault clear W 1 - %x Unsigned	0: Ignore 1: clear
DF04 1 CmdReserved01 W 1 - %x Unsigned	Reserved
DF05 1 CmdReserved02 W 1 - %x Unsigned DF06 2 UpgradeCmd W 1 - %x Unsigned	Reserved Firmware upgrade command
DF08 1 CmdReserved03 W 1 - %x Unsigned	Reserved
	Reserved Reserved
DF0C 1 CmdReserved05 W 1 - %x Unsigned	0: disabled
DF0C 1 CmdReserved05 W 1 - %x Unsigned DF0D 1 BattEqualChgImmediate W 1 %d Unsigned	
	0: disabled 1: enabled
DF0D 1 BattEqualChgImmediate W 1 %d Unsigned P04 Debug Data Area DF20 1 DebugCmdPoint RW 1 - %d Unsigned	
DF0D 1 BattEqualChgImmediate W 1 %d Unsigned P04 Debug Data Area DF20 1 DebugCmdPoint RW 1 - %d Unsigned DF21 24 DebugData RW 1 - %d Unsigned	
DF20 1 BattEqualChgImmediate W 1 %d Unsigned DF20 1 DebugCmdPoint RW 1 - %d Unsigned DF21 24 DebugData RW 1 - %d Unsigned DF39 1 Coeff_BuckV_Kp RW 1 - %d Unsigned 0 327 DF3A 1 Coeff_BuckV Ki RW 1 - %d Unsigned 0 327	1: enabled 2767 4096 2767 4096
DF20 1 BattEqualChgImmediate W 1 %d Unsigned DF20 1 DebugCmdPoint RW 1 - %d Unsigned DF21 24 DebugData RW 1 - %d Unsigned DF39 1 Coeff_BuckV_Kp RW 1 - %d Unsigned 0 327 DF3A 1 Coeff_BuckV_Kp RW 1 - %d Unsigned 0 327 DF3B 1 Coeff_BuckJ_Kp RW 1 - %d Unsigned 0 327	1: enabled 2767 4096

Address DF3E	Lengt h	English Name	R/W	Magnif ication	Unit	Display Format %d	Signed/Unsign ed Unsigned	Minimu m	Maximu m 32767	Default	Remark
DF3F	1	Coeff_InvI_Kp	RW	1	-	%d	Unsigned	0	32767	4096	
DF40	1	Coeff_InvI_Ki	RW	1	-	%d	Unsigned	0	32767	4096	DC control to a control Va of control 2 all in control to the control
DF41 DF42	1	Coeff_pfcbus_Kp Coeff_pfcbus_Ki	RW RW	1	-	%d %d	Unsigned Unsigned	0	32767 32767	4096 4096	Pfc current loop parameter Kp of generation-2 all-in-one solar charger inverter Pfc current loop parameter Ki of generation-2 all-in-one solar charger inverter
DF43	1	Coeff_PLL_Kp	RW	1	-	%d	Unsigned	0	32767	4096	To current 100p parameter 121 of generation 2 an in one south charges involved
DF44 DF45	1	Coeff_PLL_Ki	RW RW	1	-	%d %d	Signed	0	32767	4096 4096	
DF45 DF46	1	Coeff BusV Kp Coeff BusV Ki	RW	1	-	%d %d	Unsigned Unsigned	0	32767 32767	4096	
DF47	1	Coeff_ChgV_Kp	RW	1	-	%d	Unsigned	0	32767	4096	
DF48 DF49	1	Coeff_ChgV_Ki	RW RW	1	-	%d %d	Unsigned	0	32767 32767	4096 4096	
DF49 DF4A	1	Coeff ChgI Kp Coeff_ChgI_Ki	RW	1	-	%d %d	Unsigned Unsigned	0	32767	4096	
DF4B	1	ServiceBuckPwmDutySet1	RW	1	-	%d	Signed	-800	800	0	
DF4C DF4D	1	ServiceBuckPwmDutySet2 ServiceLineChgSwFreqSet	RW RW	1	% kHz	%d% %dkHz	Unsigned Unsigned	0	90 120	30 55	
DF4E	1	ServiceLineChgPwmDutySet	RW	1	%	%d%	Unsigned	0	55	25	
DF4F	1	ServicePushPullDutySet	RW	1	%	%d%	Unsigned	0	55	30	
DF50 DF51	1	InvVoltDcCompValue ServiceFanPwmDutySet	RW RW	1	% %	%d% %d	Signed Unsigned	-300 0	300 90	0 80	
DF52	1	ServiceInvLineRelaySw	RW	1	-	%d	Unsigned	0	1	0	
DF53	1	ServicePvBatRelaySw	RW	1	-	%d	Unsigned	0	1	0	The A. I
DF54 DF55	1	ServiceCBCDacPos ServiceCBCDacNeg	RW RW	1	-	%d %d	Unsigned Unsigned	512 0	4096 512	0	Default output voltage of 230 V (2 kW) Default output voltage of 230 V (3kW)
DF56	1	LogPrintEnable	RW	1	-	%d	Unsigned	0	1	0	beddit output votage of 250 v (5kH)
DF57	1	VbusTargetSet	RW	0.1	V	%.1fV	Unsigned	100	480	360	
DF58 DF59	1	Coeff_LineChgV_Kp Coeff_LineChgV_Ki	RW RW	1	-	%d %d	Unsigned Unsigned	0	32767 32767	4096 4096	
DF5A	1	Coeff_pfccurr_Kp	RW	1	-	%d	Unsigned	0	32767	4096	
DF5B	1	Coeff_pfccurr_Ki	RW	1	-	%d	Unsigned	0	32767	4096	
DF5C DF60	8	SysBitFlag LoopCtrlGroupKp	RW RW	1	-	%d %d	Unsigned Signed	0	32767	4096	
DF68	8	LoopCtrlGroupKi	RW	1	-	%d	Signed	0	32767	4096	
DF70	1	ParamReserved0	RW RW	1	-	%d %d	Unsigned	0	32767 32767	4096 4096	
DF71	I	ParamReserved1	KW	1	-		Unsigned	0			
E000	1	BatParmReserved0	RW	1		P05 S %d	etting Area for E Unsigned	attery-re	elated Para	meters	
E001	1	PvChgCurrSet	RW	0.1	A	%dA	Unsigned	0	150	80	PV charging current limit. Generation-1 machine: 50 A, generation-2 machine: 60 A, and generation-3 machine: 80 A-100 A
E002	1	BatRateCap	RW	1	AH	%dAH	Unsigned	0	400	100	12: 12 V
E003	1	BatRateVolt	RW	1	V	%dV	Unsigned	12	255	48	24: 24 V 36: 36 V 48: 48 V
E004	1	BatTypeSet	RW	1	-	%d	Unsigned	0	14	6	0: User define 1: SLD 2: FLD 3: GEL 4: Lithium iron phosphate x 14 5: Lithium iron phosphate x 15 6: Lithium iron phosphate x 16 7: Lithium iron phosphate x 7 8: Lithium iron phosphate x 8 9: Lithium iron phosphate x 9 10: Ternary lithium x 7 11: Ternary lithium x 8 12: Ternary lithium x 13 13: Ternary lithium x 14
E005	1	BatOverVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	15.5	Battery charging over-voltage protection point (converted to the voltage corresponding to 12
E006	1	BatChgLimitVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	14.4	V, followed by the same battery voltage) Over-charging protection voltage
E007	1	BatConstChgVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	14.4	Equalizing charging voltage
E008	1	BatImprovChgVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	14.4	Lead-acid battery is prohibited from boost charge, and lithium battery is prohibited from over- charging voltage.
E009	1	BatFloatChgVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	14	For lead-acid battery
E00A	1	BatImprovChgBackVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	13.2	After the battery enters floating charging, the battery voltage is lower than the judged point
FOOD		DIO DI LO IVIL	DW	0.1	**	0/ 107	**	0	15.5	10.6	again, and the battery enters boost charge again. After the battery is protected from over-discharge and under-voltage, it is returned to the
E00B	1	BatOverDischgBackVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	12.6	discharged state.
E00C	1	BatUnderVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	11	Alarming of low battery voltage without load cut-off
E00D	1	BatOverDischgVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	12.2	Alarming of low battery voltage with load cut-off During the battery over-discharge delay, the battery voltage is lower than the judged point, and
E00E	1	BatDischgLimitVolt	RW	0.1	V	%.1fV	Unsigned	9	15.5	11.2	then the load is off at once.
E00F	1	BatStopSOC	RW	1	-	%d%	Unsigned	0	100	5	Discharge cut-off SOC
E010 E011	1	BatOverDischgDelayTime BatConstChgTime	RW RW	1	S Min	%dS %dmin	Unsigned Unsigned	0	120 900	60 120	
E012	1	BatImprovChgTime	RW	1	Min	%dmin	Unsigned	10	900	120	
E013	1	BatConstChgGapTime	RW	1	day	%dDay	Unsigned	0	255	30	
E014	1	CoeffTemperCompen	RW	1	mV/°C/2 V	%d	Signed	0	10	5	Invalid
E015	1	ChgMaxTemper	RW	1	°C	%d	Signed	-40	100	60	Invalid
E016	1	ChgMinTemper	RW	1	°C	%d %d	Signed	-40	100 100		Invalid
E017 E018		DisChgMaxTemper DisChgMinTemper	RW RW	1	°C	%d %d	Signed Signed	-40 -40	100		Invalid Invalid
E019	1	HeatBatStartTemper	RW		°C			-40	100		Invalid
E01A E01B	1	HeatBatStopTemper	RW RW	0.1	°C V	%d %.1fV	Signed	-40 9	100 15.5	5 11.5	Invalid The load is switched to the AC power when the battery voltage falls below this judged point.
E01C	1	BatSwitchDcVolt StopChgCurrSet	RW	0.1	A	%.11V %.1fA	Unsigned Unsigned	0	10	2	The load is switched to the AC power when the battery voltage and below this judget point. Only the lithium battery is effective, and when the current of constant-voltage charging state is lower than this value, the charging is stopped.
E01D	1	StopChgSocSet	RW	1	%	%d	Unsigned	0	100	100	When the SOC capacity is greater than or equal to this value, charging is stopped, and it is valid for BMS communication.
E01E	1	BatSocLowAlarm	RW	1	%	%d	Unsigned	0	100	15	With the alarming of low SOC capacity, it is valid for BMS communication. In SBU mode, the AC power is applied when the SOC capacity is less than or equal to the
E01F	1	BatSocSwToLine	RW	1	%	%d	Unsigned	0	100	10	In SBU mode, the IAC power is applied when the SOC capacity is ress than or equal to the value. In SBU mode, the inverter is applied when the SOC capacity is greater than or equal to the
E020 E021	1	BatSocSwToBatt BatDischgMayCurrSet	RW RW	1	% A	%d %.1fA	Unsigned	1	100 200	100 100	value.
E021	1	BatDischgMaxCurrSet BattVoltSwToInv	RW	0.1	A V	%.11A %.1fV	Unsigned Unsigned	9	15.5	14	When the battery voltage is higher than the judged point, the inverter is switched back.
E023	1	BattEqualChgTimeout	RW	1	min	%dmin	Unsigned	5	900	240	Increment+5
E024 E025	1	LiBattActiveCurrSet BMSChgLCMode	RW RW	0.1	A	%.1fA %d	Unsigned Unsigned	0	20 2	8	
E026	1	ChargeStartTime1	RW	1	h/m	%d	Unsigned	0	5947	0	Hours and minutes: 23*256+59=5,947
E027	1	ChargeEndTime1	RW	1	h/m	%d	Unsigned	0	5947	0	Hours and minutes: 23*256+59=5,947
E028 E029	1	ChargeStartTime2 ChargeEndTime2	RW RW	1	h/m h/m	%d %d	Unsigned Unsigned	0	5947 5947	0	Hours and minutes: 23*256+59=5,947 Hours and minutes: 23*256+59=5,947
E02A	1	ChargeStartTime3	RW	1	h/m	%d	Unsigned	0	5947	0	Hours and minutes: 23*256+59=5,947
E02B	1	ChargeEndTime3	RW	1	h/m	%d	Unsigned	0	5947	0	Hours and minutes: 23*256+59=5,947

E038 1	**256+59=5,947 **256+59=5,947 **256+59=5,947 **256+59=5,947 **256+59=5,947 **256+59=5,947 **256+59=5,947 1 need) 1: grid-connected mode flow 3: ACin anti-reverse flow 1 load priority
E02E 1 DischgEndTimel RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E02F 1 DischgEndTime2 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E030 1 DischgEndTime3 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E031 1 DischgEndTime3 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E032 1 DischgEndTime3 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E033 1 OnTimeDischgEn RW 1 - %d Unsigned 0 - 0 disabled; 1: enabled E034 3 BatParmReserved2 RW 1 - %d Unsigned 0 1 0 0: disabled	**256+59=5,947 **256+59=5,947 **256+59=5,947 **256+59=5,947 **256+59=5,947 **256+59=5,947 level 1: grid-connected mode flow 3: ACin anti-reverse flow load priority d, the charging is stopped when SOC is greater than the specified value.
E02F 1 DischgStartTime2 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E030 1 DischgStartTime2 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E032 1 DischgStartTime3 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E032 1 DischgStartTime3 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E033 1 OnTimeDischgEn RW 1 - %d Unsigned 0 1 0 disabled; 1: enabled E034 3 BatParmReserved2 RW 1 - %d Unsigned 0 3 0 of-grid mode (ban E037 1 InvTOGridEn RW 1 - %d Unsigned 0 1 0 of-grid mode (b	**256+59=5,947 **256+59=5,947 **256+59=5,947 **256+59=5,947 I deed) 1: grid-connected mode flow 3: ACin anti-reverse flow load priority d, the charging is stopped when SOC is greater than the specified value.
E031 1 DischgStartTime3 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E032 1 DischgEndTime3 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E033 1 OnTimeDischgEn RW 1 - %d Unsigned 0 1 0 0 disabled; 1: enabled E034 3 BatParmReserved2 RW 1 - %d Unsigned 0 - 0 off-grid mode (bann 2: ACout anti-reverse for anti-reverse for a for anti-reverse	**256+59=5,947 \$*256+59=5,947 Integrated I
E032 1 DischgEndTime3 RW 1 h/m %d Unsigned 0 5947 0 Hours and minutes: 23 E033 1 OnTimeDischgEn RW 1 - %d Unsigned 0 1 0 0: disabled; 1: enabled E034 3 BatParmReserved/2 RW 1 - %d Unsigned 0 - 0 0: off-grid mode (bann E037 1 InvToGridEn RW 1 - %d Unsigned 0 3 0 0: off-grid mode (bann E038 1 LeakageCurrDtcEn RW 1 - %d Unsigned 0 1 0 0: disabled; 1: enabled E038 1 LeakageCurrDtcEn RW 1 - %d Unsigned 0 1 0 0: disabled; 1: enabled E034 1 PvPowerPrioritySet RW 1 - %d Unsigned 0 1 0 0: disabled; 1:	*256+59=5,947 I
E033 1	ned) 1: grid-connected mode flow 3: ACin anti-reverse flow load priority d, the charging is stopped when SOC is greater than the specified value.
E034 3 BatParmReserved2 RW 1 - %d Unsigned 0 - 0	ned) 1: grid-connected mode flow 3: ACin anti-reverse flow load priority d, the charging is stopped when SOC is greater than the specified value.
E037 1	flow 3: ACin anti-reverse flow 1 load priority d, the charging is stopped when SOC is greater than the specified value.
E038 1 LeakageCurDtcEn RW 1 - %d Unsigned 0 1 0 0: disabled; 1: enabled E039 1 PyPowerPriorityset RW 1 - %d Unsigned 0 1 0 0: disabled; 1: enabled E03A 1 BattTemperCompEn RW 1 - %d Unsigned 0 1 0 0: disabled; 1: enabled E03B 1 TimedChg1StopSOC RW 1 % %d Unsigned 0 100 100 During charging period E03C 1 TimedChg2StopSOC RW 1 % %d Unsigned 0 100 100 During charging period E03E 1 TimedDchg1StopSOC RW 1 % %d Unsigned 0 100 80 During discharging per value. E03F 1 TimedDchg1StopSOC RW 1 % %d Unsigned 0 100 60	I load priority d, the charging is stopped when SOC is greater than the specified value.
E039 1	load priority d, the charging is stopped when SOC is greater than the specified value.
E03B	d, the charging is stopped when SOC is greater than the specified value.
E03C 1 TimedChg2StopSOC RW 1 % %d Unsigned 0 100 100 100	
E03D 1 TimedChg3StopSOC RW 1 % %d Unsigned 0 100 100 100	riod, the discharging is stonned when SOC is less than the specified
E03F 1 TimedDehg2StopSOC RW 1 % %d Unsigned 0 100 80 value. E03F 1 TimedDehg2StopSOC RW 1 % %d Unsigned 0 100 60 E040 1 TimedDehg3StopSOC RW 1 % %d Unsigned 0 100 10 E041 1 TimedChg1StopVolt RW 0.1 W %.1fV Unsigned 40 59.5 57.6 E042 1 TimedDehg2StopVolt RW 0.1 W %.1fV Unsigned 40 59.5 57.6	riod, the discharging is stopped when SOC is less than the specified
E03F 1 TimedDehg2StopSOC RW 1 % %d Unsigned 0 100 60	,
E040 1 TimedChg3StopSOC RW 1 % %d Unsigned 0 100 10 E041 1 TimedChg1StopVolt RW 0.1 W %.1fV Unsigned 40 59.5 57.6 E042 1 TimedChg2StopVolt RW 0.1 W %.1fV Unsigned 40 59.5 57.6	
E042 1 TimedChg2StopVolt RW 0.1 W %.1fV Unsigned 40 59.5 57.6	
FINAL LIPPORT READING NOT KW III W VALITY LIPPORT AD 595 576	
E044 1 TimedDebt StoyVolt RW 0.1 W %.HV Unsigned 40 59.5 42	
E045 1 TimedDchg2StopVolt RW 0.1 W %.1fV Unsigned 40 59.5 42	
E046 1 TimedDehg3StopVolt RW 0.1 W %.1fV Unsigned 40 59.5 42 E047 1 TimedDehg1MaxPower RW 1 W %d Unsigned 0 12000 6000	
E048 1 TimedDchg2MaxPower RW 1 W %d Unsigned 0 12000 6000	
E049 1 TimedDchg3MaxPower RW 1 W %d Unsigned 0 12000 6000	
E04A 1 TimedChg1MaxPower RW 1 W %d Unsigned 0 12000 6000 E04B 1 TimedChg2MaxPower RW 1 W %d Unsigned 0 12000 6000	
E04B 1 Ilmeu. Epixuxrower RW 1 W %d Unsigned 0 12000 0000 E04C 1 TimedChg3MaxPower RW 1 W %d Unsigned 0 12000 6000	
E04D 1 TimedChgSource RW 1 %d Unsigned 0 7 0 Bit01: electric generate Bit01: electric generate Bit02: AC power durin	ing the charging period 1, 0: disabled, 1: enabled or during the charging period 1, 0: disabled, 1: enabled ing the charging period 2, 0: disabled, 1: enabled or during the charging period 2, 0: disabled, 1: enabled ing the charging period 3, 0: disabled, 1: enabled or during the charging period 3, 0: disabled, 1: enabled or during the charging period 3, 0: disabled, 1: enabled
P06 Factory Setting Area for Inverter Parameters	
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 1, the
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
·	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
E109 1 CorrectCoeffILoadA RW 0.001 - %.3f Signed -0.2 0.2 0 and the adjustment value is not adjusted. Value is not adjusted.	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0 , the
	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
E10B 1 CorrectCoeffVLineA RW 0.001 - %.3f Signed -0.2 0.2 0 and the adjustment value is not adjusted.	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0 , the
The adjustment coeffici	cient is a percentage, the bottom layer defines the maximum percentage, the is added to the original coefficient value. If the default value is 0, the
E10D 1 CorrectCoeffLineFreq RW 1 - %d Signed -32768 32767 0	
E10E 1 CorrectCoefflnvFreq RW 1 - %d Signed -32768 32767 0	CT use this register to calibrate the external CT assessed assessing
E10F 1 CorrectCoeffParallCurr RW 0.001 - %3f Signed -0.2 0.2 0 Models with external Coefficient.	CT use this register to calibrate the external CT current sampling
E110 1 VinvDcRegValueA RW 1 %d 有 -1500 1500 0	
E111 1 VinvDcRegValueB RW 1 %d 有 -1500 1500 0	
E112 VinvDcRegValueC RW 1 %d 有 -1500 1500 0 E113 1 workmode RW 1 - %d Unsigned 0 10 0 Operating mode: 0: nor	ormal mode 1: aging mode
E114 1 IsetPv1 RW 0.1 A %.1fA Unsigned 0 25 22	
E115 1 IsetPv2 RW 0.1 A %.ITA Unsigned 0 25 22 P116 1 MachModelNum PW 1 - %d Unsigned 0 500 1 Sec. Customer IV Zone	a and Madal Coda Maintarana Tabla
	e and Model Code Maintenance Table . e and Model Code Maintenance Table .
F118 1 PowerPare RW 0.1 Kw %16/W Unsigned 1 150 35 Power rating, KW	
(e.g., 50 for 5.0 kw, 4	
E119 4 FaultEnable RW 1 - %d Unsigned 0 65535 0 Fault bit enabled (set be set be set) E11D 2 FuncEnable RW 1 - %d Unsigned 0 65535 0 Fault bit enabled (set be set)	
E11F 1 PvVoltRate RW 1 V %dV Unsigned 100 600 550 Maximum rated PV vo	bltage
E120 1 DuCharacCharData DW 0.1 A 0/164 III-ii- 1 CO 200 100	irrent on the battery side
E120 1 PvChargeCurrRate RW 0.1 A %.11A Unsigned 60 200 100 Maximum charging cur E121 1 InvOverCurrIntLevel RW 1 % %d Unsigned 0 200 135 For current limiting of E122 1 InvOverCurrIntTime RW 1 Ts %dTs Unsigned 0 100 2 Protection time, Ts (po	

Sun Gold Power Inc Modbus register address V2.00

Address	Lengt h	English Name	R/W	Magnif ication	Unit	Display Format	Signed/Unsign ed	Minimu m	Maximu m	Default	Remark
E125	1	InvCurrRmsOCLevel1	RW	0.1	Α	%.1fA	Unsigned	0	40	18	
E126	1	InvCurrRmsOCTime1	RW	20	mS	%dmS	Unsigned	20	500	120	
E127 E128	1	InvCurrRmsOCLevel2 InvCurrRmsOCTime2	RW RW	0.1 20	A mS	%.1fA %dmS	Unsigned Unsigned	0 20	40 500	17 120	
E129	1	InvShortProtectCurrSet	RW	0.1	A	%.1fA	Unsigned	0	100	20	
E12A	1	InvShortProtectVoltSet	RW	0.1	V	%.1fV	Unsigned	0	550	50	
E12B	1	InvShortProtectTimeTs	RW	1	Ts	%dTs	Unsigned	0	500	10	
E12C E12D	1	InvOverLoadPercent1 InvOverLoadTime1	RW RW	0.1	% S	%.1 f% %dS	Unsigned Unsigned	0 10	150 300	115 120	
E12E	1	InvOverLoadPercent2	RW	0.1	%	%.1 f%	Unsigned	0	150	125	
E12F	1	InvOverLoadTime2	RW	1	S	%dS	Unsigned	10	300	60	
E130	1	InvTemperOverPoint	RW	0.1	°C	%.1f°C	Unsigned	80.0	130	95	
E131	1	PushTemperOverPoint	RW	0.1	°C	%.1f°C	Unsigned	80.0	130	87	The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage,
E132	1	CorrectCoeffVPBus	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted. The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage,
E133	1	CorrectCoeffVNBus	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted. The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage,
E134	1	CorrectCoeffVInvB	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted. The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage,
E135	1	CorrectCoeffVInvC	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted. The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage,
E136	1	CorrectCoeffILoadB	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted. The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage,
E137	1	CorrectCoeffILoadC	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted. The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage,
E138	1	CorrectCoeffIInvB	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted.
E139	1	CorrectCoeffIInvC	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage, and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted.
E13A	1	CorrectCoeffVLineB	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage, and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted.
E13B	1	CorrectCoeffVLineC	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	The adjustment coefficient is a percentage, the bottom layer defines the maximum percentage, and the adjustment value is added to the original coefficient value. If the default value is 0, the value is not adjusted.
E13C	1	CorrectCoeffVGenA	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	
E13D E13E	1	CorrectCoeffVGenB CorrectCoeffVGenC	RW RW	0.001	-	%.3f %.3f	Signed Signed	-0.2 -0.2	0.2	0	
E13F	1	CorrectCoeffICt1	RW	0.001		%.3f	Signed	-0.2	0.2	0	
E140	1	CorrectCoeffICt2	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	
E141	1	CorrectCoeffICt3	RW	0.001	-	%.3f	Signed	-0.2	0.2	0	
E142	1	CorrectCoeffSecLoadCurrA		0.001	-	%.3f	Signed	-0.2	0.2	0	
E143 E144	1	CorrectCoeffSecLoadCurrB CorrectCoeffSecLoadCurrC		0.001	-	%.3f %.3f	Signed Signed	-0.2 -0.2	0.2	0	
E145	1	FactoryParamReserved	RW	1	-	%.31 %d	Signed	0.2	1	0	
							User Setting Area	a for Inve		meters	
E200	1	Rs485AddrSet	RW	1		P07 \ %d		a for Inve	erter Parai 254	meters 1	Integer (1 to 254) 0: single machine 1: single-phase parallel 2: two-phase parallel
		Rs485AddrSet ParallMode					User Setting Area				0: single machine
E200			RW	1	-	%d	User Setting Area Unsigned Unsigned	1	7	1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password.
E200 E201	1	ParallMode PassWordSet	RW RW	1	-	%d %d %d	User Setting Area Unsigned Unsigned Unsigned Unsigned	0	7 65535	0	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 120 5: three-phase A 6: three-phase B 7: three-phase C
E200	1	ParallMode	RW	1		%d %d	User Setting Area Unsigned Unsigned	0	7	0	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line
E200 E201 E202 E203	1 1 1 1	ParallMode PassWordSet PassWordInput	RW RW W	1 1 1 1	- - - - -	%d %d %d %d	User Setting Area Unsigned Unsigned Unsigned Unsigned Unsigned	0 0	7 65535 65535	0 0	0: single-phase parallel 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar
E200 E201 E202 E203 E204 E205 E206	1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable	RW RW W RW RW	1 1 1 1 1 1 1 0.1 1 1		%d %d %d %d %h %.1fA %od	User Setting Area Unsigned Unsigned Unsigned Unsigned Unsigned Unsigned Unsigned Unsigned Unsigned	0 0 0 0 0 0 0	7 65535 65535 2 200 1	0 0 0 1 60 0	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging
E200 E201 E202 E203 E204 E205 E206 E207	1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn	RW RW W RW RW RW RW	1 1 1 1 1 0.1 1 1 1 1	- - - A V	%d %d %d %d %l.FA %d %d	Unsigned	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 7 65535 65535 2 200 1	0 0 0 1 60 0	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu
E200 E201 E202 E203 E204 E205 E206 E207 E208	1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet	RW W W RW RW RW RW RW RW	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A V	%d %d %d %d %d %d %lfA %d %d %lfX	User Setting Area Unsigned	0 0 0 0 0 0 0	7 65535 65535 2 200 1 1 264	0 0 0 1 60 0 0 120	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging
E200 E201 E202 E203 E204 E205 E206 E207	1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn	RW RW W RW RW RW RW	1 1 1 1 1 0.1 1 1 1 1	- - - A V	%d %d %d %d %l.FA %d %d	Unsigned	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 7 65535 65535 2 200 1	0 0 0 1 60 0	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging
E201 E202 E203 E204 E205 E206 E207 E208 E209 E209	1 1 1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G_FuncEn OutputVoltSet OutputFreqSet MaxChgCurr	RW W W RW RW RW RW RW RW RW	1 1 1 1 1 1 0.1 1 0.1 0.01 0.1 0.1	A V V Hz	%d %d %d %d %d %lfA %d %lfA %d %lfA %d %.1fA	Unsigned	0 0 0 0 0 0 0 0 0 0 45	7 65535 65535 2 200 1 1 264 65 200	0 0 0 1 60 0 0 120 50 80	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models)
E200 E201 E202 E203 E204 E205 E206 E207 E208	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet OutputFreqSet	RW W RW RW RW RW RW RW RW	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %d %d %lfA %d %lfA %d %lfV %d	Unsigned	0 0 0 0 0 0 0 0 0	7 65535 65535 2 200 1 1 264 65	0 0 0 1 60 0 0 120 50	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E209 E20A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange	RW W W RW RW RW RW RW RW RW	1 1 1 1 0.1 1 0.1 0.1 0.1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %d %lfA %d %lfA %d %lfA %d %selfHz %lfA %d	User Setting Area Unsigned	0 0 0 0 0 0 0 0 0 100 45 0	7 65535 65535 2 200 1 1 264 65 200 1	0 0 0 1 60 0 0 120 50 80	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled
E200 E201 E202 E203 E204 E205 E206 E208 E209 E200 E200 E200 E200 E200 E200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G_FuneEn OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange PowerSavingMode	RW W RW RW RW RW RW RW RW RW	1 1 1 1 0.1 1 0.1 0.1 0.1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %lfA %d %.1fA %d %.1fV %.2Htz %.1fV %d %d	Unsigned	0 0 0 0 0 0 0 0 100 45 0	7 65535 65535 2 200 1 1 264 65 200 1 1	0 0 0 1 60 0 0 120 50 80 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 120 5: three-phase Parallel 180 5: three-phase A 6: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E208 E208 E208 E20B	1 1 1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G_FuneEn OutputVoltSet OutputVoltSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad	RW W W RW	1 1 1 1 1 0.1 1 0.1 1 0.01 0.1 1 1 1 1	A V V Hz	%d %d %d %lfA %fd %.1fA %d %.1fV %.2fHz %d %.6d %.1fV %.2fHz %d %d	Unsigned	0 0 0 0 0 0 0 0 100 45 0 0	254 7 65535 65535 2 200 1 264 65 200 1 1	0 0 0 1 60 0 0 120 50 80 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: Dey priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 3: PV only
E200 E201 E202 E203 E204 E205 E206 E207 E208 E209 E20A E20B E20C E20D	1 1 1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G_FuncEn OutputVoltSet OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper	RW W W RW RW RW RW RW RW RW RW RW	1 1 1 1 1 0.1 1 0.1 0.1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %lfA %d %.1fA %d %.1fV %.2fHz %.1fA %d %d %d %d	Unsigned	0 0 0 0 0 0 0 0 100 45 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1	0 0 0 1 60 0 0 120 50 80 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase B 7: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: PV priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 3: PV only 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E200 E20D E20E E20F E210	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable AlarmEnable	RW W W RW	1 1 1 1 1 1 0.1 1 0.01 0.1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %d %lTA %d %lTV %2THz %1fA %d	Unsigned	0 0 0 0 0 0 0 0 0 100 45 0 0 0 0	254 7 65535 65535 2 200 1 1 1 1 1	0 0 0 1 60 0 0 120 50 80 1 1 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase Parallel 180 5: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: PV priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: bybrid mode (AC power and PV charging at the same time, with PV priority) 3: PV only 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E200 E20D E20D E20E	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable	RW W W RW	1 1 1 1 1 1 0.1 1 0.01 0.1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %d %l.FA %d %s.1FA %d %.1FA %d %d %d %d %d	Unsigned	0 0 0 0 0 0 0 0 0 100 45 0 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1 1	0 0 0 1 60 0 0 120 50 80 1 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 120 5: three-phase Parallel 180 5: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: PV priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 3: PV onlv 0: disabled 1: enabled 0: disabled
E200 E201 E202 E203 E204 E205 E206 E208 E209 E200 E20D E20E E20F E210 E211 E212		PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet OutputFeqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable AlarmEnable AlarmEnbleWhenOvLoad	RW W W RW	1 1 1 1 1 0.1 1 0.1 0.1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %lfA %d %lfV %ed %lfV %ed %lfA %d %d %d %d %d %d %d %d %d	Unsigned	0 0 0 0 0 0 0 0 100 45 0 0 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1 1 1 1 1	0 0 0 1 60 0 0 120 50 80 1 1 1 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: PV priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 3: PV only 0: disabled 1: enabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E209 E20A E20B E20C E20D E20E E210 E211 E212		PassWordSet PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G_FuncEn OutputVoltSet OutputFeqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable AlarmEnable AlarmEnable RecordFaultEnable	RW W W RW	1 1 1 1 1 1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %d %lfA %d %lfV %clHz %lfA %d	Unsigned	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1 1 1 2	0 0 0 1 60 0 0 120 50 80 1 1 1 1 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase Parallel 180 5: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: DPV priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 0: disabled 1: enabled 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E200 E20D E20E E20F E211 E212 E213 E214 E215 E216		ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable AlarmEnWhenSourceLoss BypEnableWhenOvLoad RecordFaultEnable BmsErrStopEnable BmsCommEnable DeLoadSwitch	RW W W RW	1 1 1 1 1 1 1 0.1 1 0.1 1 0.01 0.1 1 1 1	A V V Hz	%d %d %d %d %d %lifA %d %lifV %2IHz %1fA %d	Unsigned	0 0 0 0 0 0 0 0 100 45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1 1 1 1 1 1	1 0 0 0 1 60 0 0 120 50 80 1 0 1 1 1 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: De Py priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 3: PV only 0: disabled 1: enabled 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E200 E20D E20E E210 E211 E212 E213 E214 E215 E216 E217		ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G_FuncEn OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable AlarmEnable AlarmEnable BmsErrStopEnable BmsCommEnable DeLoadSwitch InvParamSetReserved01	RW W W RW	1 1 1 1 1 1 1 0.1 1 0.1 1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %d %lfA %d %lfA %d %lfV %2Hz %lfA %d	User Setting Area Unsigned	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1 1 2 1 0	1 0 0 0 1 60 0 0 120 50 80 1 1 1 2 1 1 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase B 7: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: PV priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 3: PV only 0: disabled 1: enabled 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E200 E20D E20E E20F E211 E212 E213 E214 E215 E216		ParallMode PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable AlarmEnWhenSourceLoss BypEnableWhenOvLoad RecordFaultEnable BmsErrStopEnable BmsCommEnable DeLoadSwitch	RW W W RW	1 1 1 1 1 1 1 0.1 1 0.1 1 0.01 0.1 1 1 1	A V V Hz	%d %d %d %d %d %lifA %d %lifV %2IHz %1fA %d	Unsigned	0 0 0 0 0 0 0 0 100 45 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1 1 1 1 1 1	1 0 0 0 1 60 0 0 120 50 80 1 0 1 1 1 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 0: Dey priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 0: disabled 1: enabled 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E208 E20C E20D E20E E210 E211 E212 E213 E214 E215 E216 E217 E218 E214		PassWordSet PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G_FuneEn OutputVoltSet OutputFeqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable AlarmEnable AlarmEnwhenSourceLoss BypEnableWhenOvLoad RecordFaultEnable BmsErrStopEnable BmsErrStopEnable BmsCommEnable DeLoadSwitch ImParamSetReserved01 DeratePower InvParamSetReserved01 Cenerator LightSpable	RW W W RW	1 1 1 1 1 1 1 1 1 1 1 1 1	A V V Hz	%d %d %d %d %d %d %lfA %d %lfA %d %lfV %2Hz %lfA %d	Unsigned	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1 1 2 1 0 15000 1 1	1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase B 7: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: PV priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 3: PV only 0: disabled 1: enabled 0: disabled
E200 E201 E202 E203 E204 E205 E206 E207 E208 E200 E200 E200 E210 E211 E212 E213 E214 E215 E216 E217 E218		PassWordSet PassWordInput OutputPriority IbattLineChgLimit BattEqualChgEnable N_G FuncEn OutputVoltSet OutputFreqSet MaxChgCurr AcVoltRange PowerSavingMode AutoRestartOvLoad AutoRestartOvTemper ChgSourcePriority AlarmEnable AlarmEnWhenSourceLoss BypEnableWhenOvLoad RecordFaultEnable BmsErrStopEnable BmsCommEnable DeLoadSwitch InvParamSetReserved01 DeratePower InvParamSetReserved01	RW W W RW	1 1 1 1 1 1 1 1 0.1 1 1 0.01 0.1 1 1 1 1	A V V Hz	%d %d %d %d %d %l FA %d %d %l FA %d	Unsigned	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	254 7 65535 65535 2 200 1 1 264 65 200 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 60 0 0 120 50 80 1 0 1 1 1 1 1	0: single machine 1: single-phase parallel 2: two-phase parallel 3: two-phase parallel 120 4: two-phase parallel 180 5: three-phase A 6: three-phase B 7: three-phase B 7: three-phase C The password consists of four decimal digits. If the parameter is 0, there is no password. Keyboard passwords can be changed by keyboard and communication. 0: solar 1: line 2: sbu Maximum charging current limit for AC power charging N and PE ground cable short circuit enabled (only available on some models) 0: wide band (APL) 1: narrow band (UPS) 0: disabled 1: enabled 0: disabled 1: enabled 0: disabled 1: enabled 1: enabled 1: enabled 1: marrow band (APL) priority (AC power charging available when PV fails) 1: AC power priority (PV charging available when AC power fails) 2: hybrid mode (AC power and PV charging at the same time, with PV priority) 0: disabled 1: enabled 0: disabled

Address	Lengt h	English Name	R/W	Magnif ication	Unit	Display Format	Signed/Unsign ed	Minimu m	Maximu m	Default	Remark
E21D	1	MaxLinePower	RW	1		%d	Unsigned	0	65535	50	Peak clipping power of grid 50: 500 W
E21E	1	OutputPhaseSet	RW	1		%d	Unsigned	0	2	0	Only for single split-phase machine; 0: single-phase connection, 1: three-phase connection, 2: split-phase connection
E21F E220	1 1	GenWorkMode GenChgMaxCurr	RW RW	1 0.1	A	%d %.1fA	Unsigned Unsigned	0	1 100	0 40	spin-phase connection
E220 E221	1	GenRatePower	RW	1	А	%d	Unsigned	0	65535	6000	
E400	1	GridActivePowerSet	RW	1	W	P08 Setting	g Area for Invertor	er Grid-o	65000	Paramet 0	ers
E401	1	GridPfSet	RW	0.001		%.3f	Signed	-1	1	1	Only suitable for models supporting grid-connection, with the adjustment range of -80-100 and 80-100
E402	1	GridQset	RW	1	%	%d	Signed	-100	100	0	Grid-connection reactive power setting
E403 E404	1	GridStandard GridUVLevel1	RW RW	0.1	V	%d %.1f	Signed Unsigned	0	100 270	100 184	Grid-connection standard setting
E405 E406	1 1	GridUVTime1 GridUVResumLevel1	RW RW	20 0.1	mS V	%d %.1f	Unsigned Unsigned	20 0	600000 270	120 198	
E407 E408	1 1	GridUVResumTime1 GridUVLevel2	RW RW	20 0.1	mS V	%d %.1f	Unsigned Unsigned	20 0	600000 270	120 184	
E409	1	GridUVTime2	RW RW	20	mS V	%d	Unsigned	20	600000 270	120 198	
E40A E40B	1 1	GridUVResumLevel2 GridUVResumTime2	RW	20	mS	%.1f %d	Unsigned Unsigned	20	600000	120	
E40C E40D	1	GridOVLevel1 GridOVTime1	RW RW	0.1 20	V mS	%.1f %d	Unsigned Unsigned	0 20	270 600000	280 120	
E40E E40F	1	GridOVResumLevel1 GridOVResumTime1	RW RW	0.1 20	V mS	%.1f %d	Unsigned Unsigned	0 20	320 600000	270 120	
E410 E411	1	GridOVLevel2 GridOVTime2	RW RW	0.1	V mS	%.1f %d	Unsigned Unsigned	0 20	320 600000	280 120	
E412	1	GridOVResumLevel2	RW	0.1	V	%.1f	Unsigned	0	320	270	
E413 E414	1	GridOVResumTime2 GridUFLevel1	RW RW	20 0.01	mS Hz	%d %.2f	Unsigned Unsigned	20 0	600000 65	120 47	
E415 E416	1 1	GridUFTime1 GridUFResumLevel1	RW RW	20 0.01	mS Hz	%d %.2f	Unsigned Unsigned	20 0	600000 65	120 48	
E417 E418	1	GridUFResumTime1 GridUFLevel2	RW RW	20	mS Hz	%d %.2f	Unsigned Unsigned	20	600000 65	120 47	
E419	1	GridUFTime2	RW	20	mS	%d	Unsigned	20	600000	120	
E41A E41B	1	GridUFResumLevel2 GridUFResumTime2	RW RW	0.01 20	Hz mS	%.2f %d	Unsigned Unsigned	0 20	65 600000	48 120	
E41C E41D	1 1	GridOFLevel1 GridOFTime1	RW RW	0.01 20	Hz mS	%.2f %d	Unsigned Unsigned	0 20	65 600000	52.5 120	
E41E E41F	1	GridOFResumLevel1 GridOFResumTime1	RW RW	0.01	Hz mS	%.2f %d	Unsigned Unsigned	0 20	65 600000	51 120	
E420	1	GridOFLevel2	RW RW	0.01	Hz	%.2f	Unsigned	0	65	52.5	
E421 E422	1	GridOFTime2 GridOFResumLevel2	RW	0.01	mS Hz	%d %.2f	Unsigned Unsigned	0	600000 65	120 51	
E423 E424	1	GridOFResumTime2 ReConnectGridTime	RW RW	20 1	mS S	%d %d	Unsigned Unsigned	20 0	600000 600	120 60	
E425 E426	1 1	IsoCheckEn IsoProtectPoint	RW RW	1		%d %d	Unsigned Unsigned	0 10	1 65535	1 15	
E427 E428	1	GridFuncEnable GridStandUserMode	RW RW	1		%d %d	Unsigned Unsigned	0	65535	0	
E429	1	Cei021AutoTestStep	RW	1		%d	Unsigned	0	65535	0	O. Dettarris not discharged
E42A	1	BattForGridPowerEn	RW	1		%d	Unsigned	0	3	0	Battery is not discharged. Battery discharges to UPS loads. Battery discharges to home loads. Grid connection participates in electricity sales.
E42B E42C	1 1	ExCtRatio Zono Even out Pouvon	RW	1	W	%d	Unsigned	0	5000 500	1000	
E42D	1	ZeroExportPower ReConnPowerRamp	RW RW	1	S	%d %d	Unsigned Unsigned	0	1000	20 60	When it is in the anti-reverse current function, the input target power is set for the grid. Rising rate of reconnection power
E42E E42F	1	WattPFCurveEnable HLVRTEnable	RW RW	1		%d %d	Unsigned Unsigned	0	1	0	
E430 E431	1 1	Cei021AutoTestStart AfciEnable	RW RW	1		%d %d	Unsigned Unsigned	0	1	0	
E432 E433	1	NormalConnDlyTsec NormalConnPwrRampTsec	RW RW	1	S S	%d %d	Signed Unsigned	0	1000 1000	30 30	
E434	1	ConnVoltLow ConnVoltHigh	RW RW	0.1	V V	%.1f %.1f	Unsigned Unsigned	0	320 320	110 140	
E435 E436	1	ConnFreqLow	RW	0.01	Hz	%.2f	Unsigned	40	70	60	
E437 E438	1	ConnFreqHigh CT auto detect enable	RW RW	0.01	Hz	%.2f %d	Unsigned Unsigned	40 0	70 1	60 0	
E439 E43A	1	CT manual setting GridFuncEnable1	RW RW	1		%d %d	Unsigned Unsigned	0	2 65535	0	
E43B	1	DRMS_Enable	RW	1		%d	Unsigned P09 Power Statis	0 tics Hist	1 orical Dat	0	O:disable 1:enable
F000	7	PVEnergyLast7day	R	0.1	kWh	%.1 fkWh	Unsigned	ties ilist	oricar Dat		The power data for each day occupies one register, so for example, if today is September 27,
F007	7	BatChgEnergyLast7day	R	1	AH	%dAH	Unsigned				the PV power generation data for the last 7 days is as follows: F000: power generation on September 26 (yesterday)
F00E F015	7	BatDisChgEnergyLast7day LineChgEnergyLast7day	R R	1	AH AH	%dAH %dAH	Unsigned Unsigned				F001: power generation on September 25 (two days ago) F002: power generation on September 24
F01C	7	LoadConsumLast7day	R	0.1	kWh	%.1fkWh	Unsigned				
F023	7	LoadConsumFromLineLast7day	R	0.1	kWh	%.1 fkWh	Unsigned				F006: power generation on September 20
F02A F02C	2	EnergyStatisticsDay GeneratEnergyToGridToday	R R	0.1 0.1	kWh kWh	%.1 fkWh %.1 fkWh	Unsigned Unsigned				
F02D	1	BatChgAHToday	R R	1	AH	%d %d	Unsigned				The amount of battery charge today (AH)
F02E F02F	1	BatDischgAHToday GeneratEnergyToday	R	0.1	AH kWh	%.1 fkWh	Unsigned Unsigned				The amount of battery discharge today (AH) The amount of PV power generation today
F030 F031	1 1	UsedEnergyToday WorkDaysTotal	R R	0.1 1	kWh d	%.1 fkWh %d	Unsigned Unsigned				The energy consumed by the load today
F032 F034	2 2	GridEnergyTotal BatChgAHTotal	R R	0.1	kWh AH	%.1 fkWh %d	Unsigned Unsigned				Cumulative value of power generated to the grid
F036 F038	2 2	BatDischgAHTotal GeneratEnergyTotal	R R	1 0.1	AH kWh	%d %.1fkWh	Unsigned Unsigned				
F03A	2	UsedEnergyTotal	R	0.1	kWh	%.1 fkWh	Unsigned				AC charging power (ALI) for the do-
F03C F03D	1	LineChgEnergyTday LoadConsumLineTday	R R	0.1	AH kWh	%d %.1fkWh	Unsigned Unsigned				AC charging power (AH) for the day
F03E F03F	1	InvWorkTimeToday LineWorkTimeTodya	R R	1	min min	%dmin %dmin	Unsigned Unsigned				
F040 F043	3	PowerOnTime LastEquaChgTime	R R	1		%d %d	Unsigned Unsigned				Refer to the time register for the current time format. Refer to the time register for the current time format.
F046	2	LineChgEnergyTotal	R	1	AH	%d	Unsigned				
F048 F04A	1	LoadConsumLineTotal InvWorkTimeTotal	R R	0.1	kWh h	%.1 fkWh %dh	Unsigned Unsigned				Cumulative load power consumed from the battery side
F04B F04C	1	LineWorkTimeTotal LineChgKwHTday	R R	1	h	%dh %d	Unsigned Unsigned				
F04D F04E	1	BatChgkWhToday BatDischgkWhToday	R R	0.1 0.1	kWh kWh	%.1fkWh %.1fkWh	无 无				The energy of battery charge today (kWh) The energy of battery discharge today (kWh)
FO4F	2 2	BatChgkWhTotal BatDischgkWhTotal	R R	0.1	kWh kWh	%.1fkWh %.1fkWh	元 无 无				The energy of battery charge total (kWh)
F051				O. I	K W fl	70. LIKWN	70				The energy of battery discharge total (kWh)

Sun Gold Power Inc

Modbus register address V2.00

Address	Lengt	English Name	R/W	Magnif	Unit	Display	Signed/Unsign	Minimu	Maximu	Default	Remark
-uuress	h	zagasa rame	10 11	ication	o	Format	ed	m	m	Derman	TOTAL T
							P10 Fa	ult Recor	·d		
F800	16	FaultHistoryRecord00	RW	1		%d	Unsigned				
F810	16	FaultHistoryRecord01	RW	1		%d	Unsigned				
F820	16	FaultHistoryRecord02	RW	1		%d	Unsigned				
F830	16	FaultHistoryRecord03	RW	1		%d	Unsigned				
F840	16	FaultHistoryRecord04	RW	1		%d	Unsigned				
F850	16	FaultHistoryRecord05	RW	1		%d	Unsigned				Each fault record occupies 16 addresses, storing a total of 16 fault records.
F860	16	FaultHistoryRecord06	RW	1		%d	Unsigned				Internal data format definition for fault record: (defined by internal offset address)
F870	16	FaultHistoryRecord07	RW	1		%d	Unsigned				0x00: Fault code; see the instruction manual for specific definition of fault code. If the fau
F880	16	FaultHistoryRecord08	RW	1		%d	Unsigned				code is 0, it means that the fault record is invalid.
F890	16	FaultHistoryRecord09	RW	1		%d	Unsigned				0x01-0x03: The time when the fault code occurs (there is no time for generation-1 machin
F8A0	16	FaultHistoryRecord10	RW	1		%d	Unsigned				0x04-0x0F: Data packets captured when a fault occurs, with a total of 12 data.
F8B0	16	FaultHistoryRecord11	RW	1		%d	Unsigned				• •
F8C0	16	FaultHistoryRecord12	RW	1		%d	Unsigned				
F8D0	16	FaultHistoryRecord13	RW	1		%d	Unsigned				
F8E0	16	FaultHistoryRecord14	RW	1		%d	Unsigned				
F8F0	16	FaultHistoryRecord15	RW	1		%d	Unsigned				
F900	16	FaultHistoryRecord16	RW	1		%d	Unsigned				
F910	16	FaultHistoryRecord17	RW	1		%d	Unsigned				
F920	16	FaultHistoryRecord18	RW	1		%d	Unsigned				
F930	16	FaultHistoryRecord19	RW	1		%d	Unsigned				
F940	16	FaultHistoryRecord20	RW	1		%d	Unsigned				
F950	16	FaultHistoryRecord21	RW	1		%d	Unsigned				
F960	16	FaultHistoryRecord22	RW	1		%d	Unsigned				
F970	16	FaultHistoryRecord23	RW	1		%d	Unsigned				
F980	16	FaultHistoryRecord24	RW	1		%d	Unsigned				
F990	16	FaultHistoryRecord25	RW	1		%d	Unsigned				
F9A0	16	FaultHistoryRecord26	RW	1		%d	Unsigned				
F9B0	16	FaultHistoryRecord27	RW	1		%d	Unsigned				
F9C0	16	FaultHistoryRecord28	RW	1		%d	Unsigned				
F9D0	16	FaultHistoryRecord29	RW	1		%d	Unsigned				
F9E0	16	FaultHistoryRecord30	RW	1		%d	Unsigned				
F9F0	16	FaultHistoryRecord31	RW	1		%d	Unsigned				
FA00	16	AutoTestRecord	RW	1		%d	Unsigned				
FA10	1	RecordReserved0	R	1		%d	Unsigned				
FA11	1	RecordReserved1	R	1		%d	Unsigned				
								END			

Sun Gold Power Inc Format of the Modbus V2.00

4. Unit and Dimension Description

Physical Quantity	Unit	Magnificatio n	Description					
Voltage (including AC and DC)	V	10	16-bit unsigned integer ranging from 0 to 65,535, corresponding to 0 V to 6,553.5 V					
Current (including AC and DC)	A	10	16-bit unsigned integer ranging from 0 to 65,535, corresponding to 0 A to 6,553.5 A 16-bit signed integer ranging from -32,767 to 32,767, corresponding to -3,276.7 A to 3,276.7 A					
Frequency	Hz	100	16-bit unsigned integer ranging from 0 to 65,535, corresponding to 0 Hz to 655.35 Hz					
Power (including AC and DC)	W	1	16-bit unsigned integer ranging from 0 to 65,535, corresponding to 0 W to 65,535 W					
Power factor	/	1000	16-bit signed integer ranging from -32,767 to 32,767 (e.g., 998 indicates a power factor of 0.998; and -900 (0×FC7C) indicates a power factor of -0.900.)					
AC side capacity	kWh	10	16-bit unsigned integer ranging from 0 to 65,535, corresponding to 0 kWh to 6,553.5 kWh; 32-bit unsigned integer ranging from 0 to 4,294,967,295, corresponding to 0 kWh to 429,496,729.5 kWh; (e.g., 1 indicates 0.1 kWh and 10 indicates 1 KWH)					
Battery side capacity	АН	1	16-bit unsigned integer ranging from 0 to 65,535, corresponding to 0 AH to 65,535 AH; 32-bit unsigned integer ranging from 0 to 4,294,967,295, corresponding to 0 AH to 4,294,967,295 AH					
Temperature			6-bit signed integer ranging from -32,767 to 32,767, corresponding to -3,276.7°C to 2,276.7°C					
Battery set voltage	V	10	All battery set voltages in this protocol are in the unified dimension of 12 V batteries, that is, all battery set voltages are converted to the corresponding voltage of 12 V. If the rated voltage of the battery is 48 V and the actual set voltage is 57.6 V, the set value is 57.6 V/4=14.4 V, and the value converted for the register is 14.4*10=144.					

Note: When 32-bit data occupies two registers, the data is stored in the register in small-endian mode, that is, the low bytes of data are in the low address of the register, and the high bytes are in the high address of the register. If the 32-bit data 0×12345678 is stored at 0×0001 and 0×0002 , the order in the register table is $0 \times 0001 = 0 \times 5678$ and $0 \times 0002 = 0 \times 1234$.