1	0x0000 0x0000 0x0001 0x0015		x x xead noiding a	Write single to	Write multiple	Description Device class Device type Manufacturer	Access	R uint(16)	Data length in		Data ASCII ASCII	Example See programming guide in section "A" ELR 10080-1000	1 Profibus slot	1 0	xepul pujoud 0x0100 0x0100
1 1 1 1 3	0x0029 0x003D 0x0051 0x0065 0x0079 0x007B		х	#		Manufacturer address Manufacturer ZP oode Manufacturer Propose rumber Manufacturer website Norminal voltage Norminal current	F F F F F	char char char char char float	40 40 40 40 4	20 20 20 20 2 2	ASCII ASCII ASCII ASCII Floating point number EEE754 Floating point number EEE754	80	1 1 1 1 1 1	3 0 4 0 5 0 6 0 7 0 8 0	0x010 0x010 0x010 0x010 0x010 0x010
7 9 1 1	0x007D 0x007F 0x0081 0x0083 0x0097 0x00AB 0x00BF		x x x x x x x x x x x x x x x x x x x		x	Nominal power Max. Internal resistance Min. Internal resistance Article no. Serial no. User text. Firmware version (KE)	F F F RW	R float R float R float R char R char Char Char R char	4	2 20 20 20	Floating point number EEE754 Floating point number EEE754 Floating point number EEE754 ASCII ASCII ASCII ASCII ASCII ASCII	30000 5 0.003 33200800 1234560001	1 1 1	10 0 11 0 12 0 13 0	0x0100 0x0100 0x0100 0x0100 0x0100 0x0100
1 2 5 7	0x00BF 0x00D3 0x00E7 0x0192 x 0x0195 x 0x0197 x 0x0198	1	x	<	+	Firmware version (KE) Firmware version (PMI) Firmware version (DR) Remote mode DC irput Condition of DC input after power fail alarm Condition Of DC input after powering the device	RW RW RW RW	char char uint(16) uint(16) uint(16)	40	20 20 1 1	ASCII ASCII Coil : Remote Coil : Output/riput Coil : Auto-On Rog : Power-On	0x0000 = off. 0xFF00 = on 0x0000 = off. 0xFF00 = on 0x0000 = off. 0xFF00 = aud 0xFF0 = off. 0xFF0 = aud	2 2	16 0 17 0 4 0 30 0	0x010i 0x011i 0x011 0x020i 0x020i 0x020i
9 0 1 6 7	0x0199 x 0x019A 0x019B 0x01A0 x 0x01A1 x 0x01A2			(Operation mode (UPAUR) Restart of the device (warm start) Acknowledge alamms Analog interface: Reference voltage (pin VREF) Analog interface: REM-SB level Analog interface: REM-SB action	RW RW W RW RW	/ uint(16) / uint(16) / uint(16) / uint(16) / uint(16) / uint(16)	2 2 2 2 2 2	1 1 1 1 1	Coil : Operation mode Coil : Restant Coil : Alarms Coil : VREF Coil : REM-SB Level Coil : REM-SB Action	0x0000 = UIP; 0xFF00 = UIR 0xFF00 = execute 0xF600 = execute 0xx6000 = 10V; 0xFF00 = 5V 0x0000 = 10V; 0xFF00 = 5V 0x0000 = orionat; 0xFF00 = inverted 0xx0000 = oriox 0xFF00 = auto	2 2 2 2 2 2	7 0 8 0 9 0 14 0 12 0	0x020 0x020 0x020 0x020 0x020 0x020
8	0x01A9 x 0x01AB 0x01AC 0x01AC 0x01B0 x 0x01B0 x		x	C 2		Condition of DC input after leaving remote Voltage Controller Speed SEMI F47 Reset device to factory settings Analog interface: Pin 14 configuration	RW RW RW	/ uint(16)	2 2 2 2	1 1	Coil : Condition Level On/Off Coil : Condition Alarms 1	Ox0000 = off. 0xFE00 = ucuchanged	2 2	61 0	0x023 0x023 0x023 0x023 0x022
2	0x01B9 0x01BA 0x01F4 0x01F5		x	1	κ .	Analog interface: Pin 6 configuration Analog interface: Pin 15 configuration Set voltage value Set voltage value Set current value or irradiation (PV function)	RW RW RW	/ uint(16)	2 2	1	Alarms 2 Status DC / reg. mode 0x0000 - 0x00E5 (0 - 102%) 0x0000 - 0x00E5 (0 - 102%)	0x0000 = OT + PF (default); 0x0001 = OT: 0x10002 = PF 0x0000 = CV; 0x0001 = DC input status Voltage value (for translation see programming guide)	2	46 0	0x0220 0x0220 0x0210
2	0x01F6 0x01F6 0x01F7 0x01F9		x x x	3		Set current value or imadiation (#V function) Set power value Set resistance value Device state	RW RW	/ uint(16)	2 2 2 4	1 1 2	USDUDU- (USDUES (0 - 102%) 000000 - 0.00E(5 (0 - 102%) 000000 - 0.0CCCC (0 - 100%) Bit 0 - 4: Control location Bit 5 : Conflig mode	Current value (for translation see programming guide) / translation Power value (for translation see programming guide) Resistance value (for translation see programming guide) 0x00 = free; 0x01 = local; 0x03 = USB; 0x04 = analog; 0x05 = Profibus; 0x06 = Ethernet 0x08 = MasteriSlave; 0x09 = R8232; 0x10 = CANopen; 0x12 = Modbus TCP 1P; 0x13 = Profilert 1P; 0x14 = Ethernet 1P; 0x15 = Ethernet 2P; 0x16 = Modbus TCP 2P; 0x17 = Profinet 2P; 0x18 = GPB; 0x19 = CAN; 0x1A = EtherCAT; 0x1C = free (due to communication timeout (CTO))	2	25 C	0x021 0x021 0x021 0x021
											Bit 6 : Master-slave type Bit 7 : Output state Bit 9-10 : Regulation mode Bit 11 : Remote Bit 13 : Function generator Bit 14 : External sense	0 = Slave; 1 = Master 0 = off; 1 = on 00 = CV; 01 = CR; 10 = CC; 11 = CP 0 = off; 1 = on 0 = stopped; 1 = running 0 = off; 1 = on			
											Bit 5 : OVP Bit 7 : OVP Bit 7 : OVP Bit 8 : OPP Bit 9 : OT Bit 8 : EVP Bit 9 : UVD	0 = none; 1 = active			
	0x01FB		x			Actual voltage	F	R uint(16)	2	1	BIL25 : CVD BIL27 : CVD BIL27 : CVD BIL28 : CPD BIL29 : MSP BIL30 : REM-SB 0,00000 - 0,0FFFF (0-125%)	0 = none; 1 = active 0 = DC enabled; 1 = REM-SB disables power output Actual voltage (for translation see programming guide)			0x0211
0	0x01FC 0x01FD 0x01FF 0x01FF		x x x	1		Actual current Actual power Device state 2 Court of OV alarms since power up	R	R uint(16) R uint(16) R uint(32) R uint(32)	2 4	1 2	0x0000 - 0xFFFF (0 - 125%) 0x0000 - 0xFFFF (0 - 125%) Bit 1 : SF alarm Bit 4 : Power derating Bit 5 : Semi F47	Actual current (for translation see programming guide) Actual power (for translation see programming guide) 0 = none; 1 = active 0 = none; 1 = active Count	2 2	30 0	0x021 0x021 0x021
1 2 3 4	0x0209 0x020A 0x020B 0x020C 0x0226 0x0229		x x x x x x x x x x x x x x x x x x x	2	·	Court of OC alarms since power up Court of OP alarms since power up Court of OP alarms since power up Court of OF alarms since power up Court of PF alarms since power up Overvoltage protection threshold (OVP) Overcurrer protection threshold (OCP)	RW RW RW	R uint(16) R uint(16) R uint(16) R uint(16) Uint(16) Uint(16)	2 2 2 2 2 2	1 1 1 1 1	0x0000 - 0xFFFF 0x0000 - 0xFFFF 0x0000 - 0xFFFF 0x0000 - 0xFFFF 0x0000 - 0xF147 (0 - 110%) 0x0000 - 0xE147 (0 - 110%)	Count Count Count Count Count Count Count OVP threshold (for translation see programming guide) OCP threshold (for translation see programming guide)	3 3	21 0 22 0 23 0 24 0 3 0	0x031: 0x031: 0x031: 0x031: 0x02F
9 0 1 2 3	0x022C 0x022F 0x0230 0x0231 0x0232 0x0233 0x0234 0x0235		x x x	3 3 3 3	<	Overpower protection threshold (OPP) Undervoltage detection (UVD) Adjustable UVD notification Overvoltage detection (OVD) Adjustable OVD notification Undercurrent detection (UCD) Adjustable OVD notification Undercurrent detection (UCD) Adjustable UCD notification	RW RW RW RW RW	/ uint(16)	2 2 2 2 2 2 2 2	1 1 1 1 1 1	0x0000 - 0xE147 (0 - 110%) 0x0000 - 0xDeE5 (0 - 102%) 0x0000 - 0xDeE5 (0 - 102%) 0x0000 - 0xD0E5 (0 - 102%) 0x10000 - 0xD0E5 (0 - 102%)	OPP treshold (for translation see programming guide) UVID treshold (for translation see programming guide) 0x0000 = nothing; 0x0001 = signat, 0x0002 = warning; 0x0003 = alarm OVID treshold (for translation see programming guide) 0x0000 = nothing; 0x0001 = signat, 0x0002 = warning; 0x0003 = alarm UCID treshold (for translation see programming guide) 0x0000 = nothing; 0x0001 = signat; 0x0002 = warning; 0x0003 = alarm	3 3 3	9 0 10 0 11 0 12 0 13 0	0x030 0x030 0x030 0x030 0x030 0x030 0x030
6 7 8 7	0x0235 0x0236 0x0237 0x0238 0x0241 0x028A x		x x x x	_	((Overcurrent detection (OCD) Adjustable OCD notification Overpower detection (OPD) Adjustable OPD notification Condition of DC output/irrput after OT alarm Master-slave: Link mode on MS bus Master-slave: Explore MS	RW RW RW RW	/ uint(16) / uint(16) / uint(16) / uint(16) / uint(16)	2 2 2 2 2	1 1 1	0x0000 - 0x00ES (0 - 102%) Adjustable OCD notification 0x0000 - 0x00ES (0 - 102%) Adjustable OPD notification Reg: Condition Coli: Mode	OCD threshold (for translation see programming guide) 0x0000 = nothing, 0x0001 = signat, 0x0002 = warring; 0x0003 = alarm OPD threshold (for translation see programming guide) 0x0000 = nothing; 0x0001 = signat; 0x0002 = warring; 0x0003 = alarm 0x0000 = off; 0x0001 = restore (default) 0x0000 = off; 0x0001 = restore (default)	3 3	16 0 17 0 18 0 37 0	0x0300 0x0300 0x0300 0x0310 0x032
5	0x028D x 0x028E 0x028F		x	3	, ,	Master-slave: Enable MS Master-slave: Total voltage in V Master-slave: Total voltage in V	RW W F	/ uint(16) / uint(16) R uint(16)	2 2 2	1 1	Coit: MS on/off Coit: MS start init Reg: MS status Floating point number (EEE754	DxX000 = off. 0xFF00 = on OxFF00 = Start init Ox0000 = not Initialised; 0x0001 = init running; 0x0003 = set defaults; 0x0004 = setup interface; 0x0005 = assignment; 0xFFFC = disrupted; 0xFFFD = different, oxFFFB = Termination not OX 500	4 4 4	4 0 5 0	0x040 0x040 0x040 0x040
8 0 2 6 7	0x0292 0x0294 0x0296 0x029A 0x029B	ŀ	x x x x	_		Master-slave: Total current in A Master-slave: Total power in W Master-slave: Number of initial sed slaves Master-slave: Bus termination Master-slave: Bus bias Function generator Arbitary: Start/stop	R R R	R float R float R uint(16) R uint(16) Uint(16)	4 4 2 2 2 2 2	2 1 1 1	Floating point number EEE754 Floating point number EEE754 Coil : Termination Coil : BIAS Coil : Start/Stop	900 150000 163 0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = on	_	7 0 8 0 9 0 10 0 11 0	0x040 0x040 0x040 0x040 0x040
1 2 4 5 6	0x0352 x 0x0353 x 0x0354 x 0x0356 x 0x0357 x 0x0358 0x0358			· · · · · · · · · · · · · · · · · · ·		Function generator Arbitrary: Select U Function generator Arbitrary: Select I Function generator XY Select U mode Function generator XY: Select FU mode Function generator XY: Select FU mode Function generator XY: Select mode Function generator Arbitrary: Start sequence	RW RW RW RW RW	/ uint(16) / uint(16) / uint(16) / uint(16) / uint(16) / uint(16)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 1	Coil : U Coil : I Coil : L Coi	UMUDUO — Subp. UMFFUD — Sales III full to the tage 0.0000 en to assigned; 0.0FF00 = Assign function to voltage 0.00000 = not assigned; 0.0FF00 = Assign function to current 0.00000 = not assigned; 0.0FF00 = Assign function to UH curve 0.00000 = not assigned; 0.0FF00 = Assign function to HJ curve 0.00000 = deactivated; 0.0FF00 = Assign function to HJ curve 0.00000 = deactivated; 0.0FF00 = Assign function to HJ curve 0.00001 = IU	5 5 5 5 5	1 0 2 0 4 0 5 0 14 0	0x04F 0x04F 0x050 0x050 0x050
1	0x035C 0x035D 0x035E 0x0384		x	1	x	Function generator Arbitrary: End sequence Function generator Arbitrary: Sequence cycles Function generator Arbitrary: Submit settings (only required for CAN, CANopen, EtherCAT CoE) Function generator Arbitrary: Setup for sequence 1	RW W	/ uint(16)	2 2 2 32	1	0x00010x0063 0x00020x03E7 Coil . Submit Arbitrary Bytes 0-3: Us/s(AC) in V or A Bytes 8-11: (S(I/T) in ½2	0x0000 = infinite 0xFF00 = Submit settings Floating point number in EEE754 format, see device manual for value range, chapter about function generator htteger in EEE754 format 010000 Hz	5 5	11 0	0x050 0x050
8	↓ ↓ 0x09A4	×	ı .	ı ı		↓ Function generatorArbitrary: Setup for sequence 99	RW	↓ ↓ / float	↓ 32	1	Bytes 12-15: fe(1/T) in Hz Bytes 16-19: Angle in degrees Bytes 20-23: Usk(DC) in V or A Bytes 24-27: Uells(DC) in V or A Bytes 28-31: Sequence time in µs I Bytes 0-3: Usk(b(AC) in V or A	hteger in EEE754 format 010000 Hz hteger in EEE754 format 0"359* Floating point number in EEE754 format, see device manual for value range, chapter about function generator Floating point number in EEE754 format. 100 µs36,000,000,000 µs ↓ Floating point number in EEE754 format.	↓ ↓	↓ 99 (0x065
	_				_ *		AW	uat	.z		Bytes 0-5 Ushla(AC) in V or A Bytes 4-7 Ushla(AC) in V or A Bytes 8-11 : fs(1/T) in Hz Bytes 8-11 : fs(1/T) in Hz Bytes 1-15 : fs(1/T) in Hz Bytes 1-15 : fs(1/T) in Hz Bytes 1-10 : fs(1/T) in V or A Bytes 24-27 : Ushla(DC) in V or A Bytes 28-31 : Sequence time in µs	Floating point number in EEE734 format, see device manual for value range, chapter about function generator. httpger in EEE734 format 010000 Hz httpger in EEE734 format 010000 Hz httpger in EEE734 format 0"359" Floating point number in EEE734 format, see device manual for value range, chapter about function generator. Floating point number in EEE734 format; 100 µs36,000,000,000 µs	-		.00
	0x0A28	1	x ↓ x	<u>+</u>	×	Function generator: X/Y table, block 0 Function generator: X/Y table, block 255	RW		32 ↓ 32	↓ 16	Bytes 28-31: Sequence time in jus Ul mode: set valtage value Ul mode: set current value (16 values block) Ul mode: set voltage value Ul mode: set voltage value Ul mode: set voltage value (16 values block)	Floating point number in EEE774 kommat: 100 µs36,000,000,000 µs value = real set value of voltage * 0.8 / Linom * 32768 or value = real set value of current * 0.8 / Inom * 32768 value = real set value of voltage * 0.8 / Linom * 32768 or value = real set value of voltage * 0.8 / Linom * 32768 or value = real set value of current * 0.8 / Inom * 32768	7	Ţ)x06F.
1 2 3	0x2328 0x2329 0x232A 0x232B 0x232C 0x232C		x x x x x x x x x	2 2 2 2	(((((((((((((((((((Upper limit of voltage set value (U-max) Lower limit of voltage set value (U-min) Upper limit of current set value (I-min) Upper limit of current set value (I-mix) Lower limit of current set value (I-mix) Upper limit of power set value (I-mix) Upper limit of resistance set value (R-max)	RW RW RW RW	/ uint(16) / uint(16) / uint(16) / uint(16)	2 2 2 2 2 2	1 1 1	(16 values block) 0x0000 - 0x00E5 (0 - 102%)	Voltage value (for translation see programming guide) Voltage value (for translation see programming guide) Current value (for translation see programming guide) Current value (for translation see programming guide) Fower value (for translation see programming guide)	2 2 2 2	32 0 33 0 34 0 35 0	0x021 0x021 0x022 0x022 0x022
7 8 0	0x2717 x 0x2718 x 0x271A x			<	 	Ethernet: TCP keep-alive timeout EthernetProfinetModbus TCP: DHCP Protocot.Modbus Busses	RW RW	/ uint(16) / uint(16) / uint(16)	2 2 2	1 1 1	Minimum value needs to be cal-culated, refer to programming guide PS: 0x0000 - 0x00E5 (0 - 102%) Coli: Keep-alive on/off Coli: DHCP on/off Coli: MODBUS on/off	Resistance value (for translation see programming guide) 0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = on 0x0000 = off; 0xFF00 = on	4	. 0	.22
1 2 3	0x271B x 0x271C x 0x271D x 0x2724			(Protocol: SCPI Restart interface card Modbus specification compliance AnyBus module: Type	RW RW RW	/ uint(16) / uint(16)	2 2 2	1 1	Coll: SCPI only diff Coll: SCPI only diff Coll: Restart Coll: Mode Reg: Type	0x0000 - 0x1, 0x1 F00 - 0x1			
												0x0012 = Modbus-TCP IP 0x0013 = Profinet IP 0x0014 = Elbernet IP 0x0015 = Elbernet 2P 0x0015 = Modbus-TCP 2P 0x0017 = Profinet 2P 0x0019 = Modbus-TCP 2P 0x0019 = CAN 0x0014 = ElberCAT			
1 3 1 2 3	0x2725 0x2739 0x273B 0x280B 0x280C 0x280D 0x281D	_	x x x x	2	×	AnyBus module: Interface type AnyBus module: Version number AnyBus module: Serial number Profibus: Ident number Profibus: Ident number Profibus: Ident number Profibus: Ident learner Profibu	RW RW		4 4 2 2 32	2 1 1	ASCII ASCII	DidGFF = no or unknown module plugged *Profibus DPV1* DA001 Profibus: 0-125; CANopen: 0-127 *Test*	8 8 8	1 0)x07F)x07F)x07F
9 0 4 2 4	0x281D 0x2828 0x283C 0x2872 0x2906 0x2908 0x290A		x x x x x x x x x x x x x x x x x x x	f		Profibus/Profinet User-defineable "Location tag" Profibus/Profinet User-defineable installation date Profibus/Profinet User-defineable description Profinet User-defineable "Station name" Elbamen/Modbus TCP: Paddress Elbamen/Modbus TCP: Station mask Elbamen/Modbus TCP: Station mask	RW RW RW RW RW	/ char / char / char / char / uint(8) / uint(8)	22 40 54 200 4 4 4	11 20 27 100 2 2 2	ASCII ASCII ASCII ASCII Bytes 0-3: 0.255 Bytes 0-3: 0.255 Bytes 0-3: 0.255	"Test" "13.01.2012 09.59:00" "www.webpage.de" "Test" 192.188.0.2 (default) 255.255.255.0 (default) 192.168.0.1 (default)	8 8 8	3 C 4 C)x07F)x07F)x07F)x07F
5 2 4 6	0x290C 0x2927 0x2942 0x2944 0x2946 0x2947 0x294A		x x x x x x x x x x x	1	X X X	Ethemet/Profinet/Modbus TCP: Host name Ethemet/Profinet/Modbus TCP: Domain name Ethemet/Modbus TCP: DNS 2 Ethemet/Modbus TCP: DNS 2 RS232/USB: Connection timeout in milliseconds Ethemet/Modbus TCP: MAC Ethemet/Modbus TCP: MAC Ethemet/Modbus TCP: Connection speed Port 1 (1 & 2 port modules)	RW RW RW RW RW	/ char / uint(8) / uint(8) / uint(16) R uint(8)	54 54 4 4 2 6	27 27 2 2 1 3	ASC# ASC# Bytes 0-3 0.255 Bytes 0-3 0.255 Bytes 0-5 0.255 5.65535 Bytes 0-5 0.255 Connection speed	*Cilent" (defaut) *Workgroup" (defaut) 0.0.00 (defaut) 0.0.00 (defaut) 0.0.00 (defaut) 0.0.00 (defaut) 0.0.00 (defaut) 0.0.00 (defaut) 0.0000-0.00000000000000000000000000000			
1	0x294B		x	3	<	Ethernet/Modbus TCP: Connection speed Port 2 (2 port module)	RW		2		Connection speed	0x0001 = 10Met had duplex			
3	0x294C 0x294D 0x29CC		x x	3	<	Ethernet (except for Modbus TCP): Port Ethernet: TCP Socket timeout (in seconds) RS232/CANopen/CAN: Baud rate	RW RW		2 2 2	1	0.65535 5.65535 Baud rate	Doc00d = 100Mbit ful duplex			
2 4 6	0x29CD x 0x29CE x 0x29D0 0x29D2 0x29D2 x		x x	(x	CAN: D format CAN: Termination CAN: Base ID CAN: Broadcast ID CAN: Data length	RW RW RW	/ uint(16) / uint(32) / uint(32) / uint(16)	2 2 4	2 2	Colt: Base/Extended Colt: Bus termination 0x00000x07FF or 0x000000x1FFFFFFF 0x00000x07FF or 0x00000x1FFFFFFF Colt: Data length	0x0000 = Base (11 Bit); 0xFF00 = Extended (29 Bit) 0x0000 = off; 0xFF00 = on Default: 0xFF0 Default: 0x7FF 0x0000 = Auto; 0xFF00 = Always 8 bytes			
0 2 4 5	0x29D6 0x29D8 0x29DA 0x29DB 0x29DC		x x	1	(CAN: Cyclic read: Base ID CAN: Cyclic send: Base ID CAN: Cyclic read time (in ms): Status CAN: Cyclic read time (in ms): Status CAN: Cyclic read time (in ms): St value (U, I, P, R) CAN: Cyclic read time (in ms): Limits 2 (P, R)	RW RW RW RW	/ uint(32) / uint(32) / uint(32) / uint(16) / uint(16) / uint(16)	4 4 2 2 2 2	2 1 1 1	0x00000x07FF or 0x000000x1FFFFFFF 0x000000x1FFFFFFF 0x000000x1FFFFFFF 205000; 0 == off 205000; 0 == off 205000; 0 == off	Default: 0x100 Default: 0x200 Default: off Default: off Default: off			
7 8 0	0x29DD 0x29DE 0x2A44 0x2A44		x x	1	_	CAN: Cyclic read time (in ms): Limits 1 (U, t) CAN: Cyclic read time (in ms): Actual values U, t, P Internal Ethernet Interface: Status Internal Ethernet Interface: Top Keep-alive timeout	RW RW R	/ uint(16) / uint(16) / uint(16)	2 2	1 1	205000; 0 == off 205000; 0 == off 8lis 0.5: - Bit 6: Keep-Alive Bit 7: DHCP 1 Bit 8: DHCP 2 Colt Keep-alive orioff	Default off Default off 0 0 = Secondary (1 = activ 0 = Incliny (1 = activ 0 = DHCP feactivated; 1 = DHCP activated 0 = DHCP is not running, P has been not assigned; 1 = DHCP is running, IP has been assigned 0,00000 = off, DeFF00 = on			
2 3 7 9	0x2A46 x 0x2A47 0x2A49 0x2A4B 0x2A4D 0x2A68 0x2A83			K		hternal Ethernet interface: DHCP Internal Ethernet interface: D address Internal Ethernet interface: Subnet mask Internal Ethernet interface: Gateway Internal Ethernet interface: Host name Internal Ethernet interface: Host name Internal Ethernet interface: Domain name Internal Ethernet interface: DNS	RW RW RW RW RW RW	/ uint(16) / uint(8) / uint(8) / uint(8) / uint(8) / char / char	2 4 4 4 54 54	1 2 2 2 27 27 27	Calt. DHCP onloff Bytes 0-3: 0. 255 Bytes 0-3: 0. 255 Bytes 0-3: 0. 255 ASCII Bytes 0-3: 0. 255	0x0000 = off; 0xFF00 = on 192:188.0.2 (default) 255:258:256.0 (default) 192:168.0.1 (default) 102:168.0.1 (default) 103:168.0.1 (default) 104:168.0.1 (default) 105:168.0.1 (default)			
5 8 9 0	0x2A85 0x2A88 0x2A89 0x2AF8 0x2AF9 0x2AFA		x x x x x x x x	3 3 3	(((((((((((((((((((Internal Ethernet interface: MAC Internal Ethernet interface: Port Internal Ethernet interface: TCP Socket timeout (in seconds) MPP Tracking: MPP-Mode MPP Tracking: MPP-Mode MPP Tracking: Loc (Setup) MPP Tracking: Loc (Setup)	RW RW RW RW RW	R uint(8) / uint(16) / uint(16) / uint(16) / uint(16) / uint(16) / uint(16)	2 2 2 2	3 1 1 1 1	Bytes 0-5: 0. 295 0.65935 5.65936 (0 = timeout inactive) 0.4 0.4 0.00000 - 0xCCCC (0 - 100%) 0x0000 - 0xCCCC (0 - 100%)	00:50:C2:C3:12:34 or 00:50:C2:C3:12:34 5025 (defauti), except port 80 Defaut: 5 0 = off; 1 = MPP1; 2 = MPP2; 3 = MPP3; 4 = MPP4 Voltage value in % of Unom (for translation see programming guide) Current value in % of irom (for translation see programming guide)	9 9 9	1 0)x08F)x08F)x08F
3 4 5 6 7	0x2AFB 0x2AFC 0x2AFD 0x2AFE 0x2AFE 0x2AFF 0x2B00 0x2B01		x	1	< -	MPP Tracking: Umpp (Setup) MPP Tracking: tmpp (Setup) MPP Tracking: Empp (Setup) MPP Tracking: Detailer (Setup) MPP Tracking: Detailer (Setup) MPP Tracking: Umpp (Result in MPP1/2/4) MPP Tracking: tmpp (Result in MPP1/2/4) MPP Tracking: Pmpp (Result in MPP1/2/4)	RW RW RW RW R	/ uint(16) / uint(16) / uint(16)	2 2 2 2 2 2 2 2	1 1 1 1 1 1	0x0000 - 0xCCCC (0 - 100%)	Voltage value in % of Unom (for translation see programming guide) Current value in % of hom (for translation see programming guide) Power value in % of Pomn (for translation see programming guide) Power value in % of Pomn (for translation see programming guide) Power value in % of Unom (for translation see programming guide) Current value in % of thom (for translation see programming guide) Current value in % of Pomn (for translation see programming guide) Power value in % of Pomn (for translation see programming guide)	9 9 9 9 9	3 0 4 0 5 0 6 0 7 0 8 0	0x08F 0x08F 0x08F 0x08F 0x08F 0x090
1	0x2B02 x 0x2B03 x 0x2B04 x	_		(MPP Tracking: Start/Stop MPP Tracking: Finished (Function status for MPP1/2/4) MPP Tracking: Error during function	R	uint(16)		1	Coli: Start/Stop Coli: Status Coli: Error	0x0000 = stop; 0xFF00 = start 0x0000 = running; 0xFF00 = finished 0x0000 = no error; 0xFF00 = error	9	11 0	0x0900 0x0900
3 4 5 7	0x2B05 0x2B06 0x2B07 0x2B08 0x2B09		x x x	1	<	MPP4 : Start MPP4 : Start MPP4 : End MPP4 : Repetitions MPP4 - Repetitions MPP4 - Tracking : User curve (MPP4 mode) voltage values 1-20	RW RW RW RW	/ uint(16) / uint(16) / uint(16) / uint(16) / uint(16) / uint(16)	2 2 2 2 40	1 1 1 20	0x0005 - 0xEA60 0x0001 - 0x0064 0x0001 - 0x0064 0x0000 - 0xFFFF 0x0000 - 0xCCCC (0 - 100%)	Regulation & measuring interval in milliseconds, either for tracking in modes 1 and 2 or for user curve progression in mode 3 . Start voltage value out of 100 (related to registers 11100-11199) for use in MPP4 mode Her voltage value out of 100 (related to registers 11100-11199) for use in MPP4 mode 0,0000 = no repetitions Voltage value in % of Unom (for translation see programming guide)	9 9	13 0 14 0 15 0 16 0	0x090 0x090 0x090 0x090
7 7 7	0x2B1D 0x2B31 0x2B31 0x2B45 0x2B59 0x2B6D	1	x x x x	‡ †		MPP Tracking: User curve (MPP4 mode) voltage values 21-40	RW RW RW RW	/ uint(16) / uint(16) / uint(16)	40 40 40 40 40 60	20 20 20 20	0x00000 - 0x0CCC (0 - 100%) 0x0000 - 0x0CCC (0 - 100%)	Vollage value in % of Unron (for translation see programming guide) Vollage value in % of Unron (for translation see programming guide) Vollage value in % of Unron (for translation see programming guide) Vollage value in % of Unron (for translation see programming guide) Vollage value in % of Unron (for translation see programming guide) Vollage value in % of Unron (for translation see programming guide) Vollage value in % of Unron (for translation see programming guide) Power value in % of Prom (for translation see programming guide)	9	18 0 19 0 20 0 21 0	0x090 0x090 0x090 0x090 0x090
	0x2B8B 0x2BA9	1	x			MPP Tracking: User curve (MPP4 mode) results 11-20 (10x Umon, Imon, Pmon) MPP Tracking: User curve (MPP4 mode) results 21-30 (10x Umon, Imon, Pmon)	R	uint(16)			0x0000 - 0xCCCC (0 - 100%)	(for translation see programming guide) Voltage value in % of hom Current value in % of hom Power value in % of Pom (for translation see programming guide) Voltage value in % of Hom Current value in % of Hom Power value in % of Pom Power value in % of Pom			0x090i
	0x2BC7 0x2BE5	1	x	1		MPP Tracking: User curve (MPP4 mode) results 31-40 (10x Umon, Imon, Pmon) MPP Tracking: User curve (MPP4 mode) results 41-50 (10x Umon, Imon, Pmon)	R	R uint(16)			0x0000 - 0xCCCC (0 - 100%)	(for translation see programming guide) Voltage value in % of Unorn Current value in % of Poorn Power value in % of Poorn (for translation see programming guide) Voltage value in % of Unorn Current value in % of Poorn Power value in % of Poorn	9		0x091
	0x2C03 0x2C21		x	1		MPP Tracking: User curve (MPP4 mode) results 51-60 (10x Umon, Imon, Pmon) MPP Tracking: User curve (MPP4 mode) results 61-70 (10x Umon, Imon, Pmon)	R	tuint(16)			0x0000 - 0xCCCC (0 - 100%)	(for translation see programming guide) Voltage value in % of hom Current value in % of hom Power value in % of Pom (for translation see programming guide) Voltage value in % of Hom Current value in % of Hom Power value in % of Pom Power value in % of Pom	9		0x091
	0x2C3F 0x2C5D		x	1		MPP Tracking: User curve (MPP4 mode) results 71-80 (10x Umon, Imon, Pmon) MPP Tracking: User curve (MPP4 mode) results 81-90 (10x Umon, Imon, Pmon)	R	R uint(16)			0x0000 - 0xCCCC (0 - 100%)	(for translation see programming guide) Voltage value in % of Unom Current value in % of Prom Power value in % of Prom (for translation see programming guide) Voltage value in % of Unom Current value in % of Prom Power value in % of Prom)x091:)x091i
0 0	0x2C7B 0x2CEC 0x2CEC	_	x x	† 		MPP Tracking: User curve (MPP4 mode) results 91-100 (10x Umon, Imon, Pmon) Battery discharge test (static): Max. current Battery discharge test (static): Max. power	RW			2 2	0x0000 - 0xCCCC (0 - 100%) Floating point number EEE754 Floating point number EEE754	(for translation see programming guide) Voltage value in % of Unom Current value in % of Inom Power value in % of Ponom (for translation see programming guide) 0 - rated current 0 - rated power	9 11 11	0 0	0x091 0x0AF 0x0AF
\$ 3 0	0x2CF2 0x2CF2 0x2CF2 0x2CF4 0x2CF6 0x2CF8		_	3	x x x	Battery discharge test (static): Max resistance Battery discharge test (static): Discharge voltage Battery discharge test (static): Max capacity to discharge	RW RW RW RW	/ float / float / uint(32)	4 4 4 4 2	2 2 2 2	*Floating point number IEEE/54 Floating point number IEEE/54 Floating point number IEEE/54 Floating point number IEEE/54 Floating point number IEEE/54 Mo00000000 A00000000 (0 -10 th) Action when reaching max. discharge capacity	Mfin - max resistance, 0 = OFF 0 - raised voltage 0 - 99999.99 0x0001203 = 01.02.03 as HH.MM.SS, equivalent to [00][HRS][MN][SEC] 0x00010203 = Do nothing: 0x0001 = Signal (see register 11544);	11 11 11 11 11	2 0 3 0 4 0 5 0)x0AF)x0AF)x0AF)x0AF)x0AF
4 ·	0x2CF9 0x2CFA 0x2CFC 0x2CFC 0x2CFE 0x2D00		x x x x	3	×	, , ,	RW RW RW RW	/ float / float / float	2 4 4 4 4	2 2 2	Action upon reaching the max, discharge time Floating point number EEEF54 Floating point number EEE754 Floating point number EEE754 Floating point number EEE754		11 11 11 11	8 0 9 0	0x0AF 0x0AF 0x0AF 0x0B0
2 4 3	0x2D00 0x2D02 0x2D04 0x2D06 0x2D08 0x2D0A		x x x x x	3	x	Battery discharge test (dynamic): Max. power Battery discharge test (dynamic): Discharge voltage	RW RW RW RW	/ float / float / float / uint(32)	4 4 4 4 2	2 2 2 2	Floating point number EEET74	0 - rated power 0 - rated voltage 0 - 99999.99 0 - 900000000000000000000000000000000	11 11 11 11 11	12 0 13 0 14 0 15 0	0x0B0
2 1	0x2D0B 0x2D0C x 0x2D0F		x :		<	Battery discharge test (dynamic): Action upon reaching the max: discharge time Battery test: Start/stop Battery test: Mode selection	RW RW	(',	2 2 2		Action Coil: Start/Stop Mode selection	0x0002 = Stop test 0x0000 = Do nothing; 0x0001 = Signal (see register 11544); 0x0002 = Stop test 0x0000 = Stop, 0xF00 = Run 0x0000 = Stop, 0xF00 = Run 0x0000 = Stop = State off (default); 0x0001 = State of discharge; 0x0002 = Puted discharge; 0x0002 = Puted discharge;			0x0B0 0x0B0 0x0B0
3	0x2D10 0x2D12 0x2D14	_	x x		x	Battery test: Discharged capacity in Ah Battery test: Discharged energy in Wh Sattery test: Time at end of test	RW RW	/ float		2	x Ah x Wh H+t-MM:SS:MS	0x0003 = Static charge; 0x0004 = Dynamic test 10.5 Ah 22453.5 Wh Word 0 = Hours (0-10) Word 1 = Minutes (0-59) Word 2 = Seconds (0-56)	11 11 11	23 0	0x0B0 0x0B0 0x0B0
•	0x2D18	1	x			Battery test: Status	F	R uint(16)	2		#BEZUG! Bit 0 : Running Bit 1 : Finished Bit 2 : Error occurred Bit 3 : Initalized Bit 4 : Maximum Ah reached (signal only)	Word 3 = Milliseconds (0-999) 0 = none; 1 = active	11	25 (0x0B0
											Bit 5 : Maximum time reached (signal only) Bit 6 : Maximum Ah reached (end of test) Bit 7 : Maximum time reached (end of test) Bit 8 : Charging Bit 9 : Discharging Bit 10 : Resting	0 = none; 1 = active d = none; 1 = active d = none; 1 = active			
3	0x5208 0x520B 0x520E		x			Operation counter: total time Operation counter: DC on time Operation counter: DC off time	F	R uint(16)	6	3	DDDDD:Ht:MM DDDDD:Ht:MM	Word 0 = Days (0-65535) Word 1 = Hours (0-23) Word 2 = Minutes (0-89) Word 0 = Days (0-65535) Word 1 = Hours (0-23) Word 2 = Minutes (0-89) Word 2 = Minutes (0-89) Word 0 = Days (0-65535) Word 1 = Hours (0-23)	2	54	0x023
9	0x5211 0x5213 0x5215		x x	-		Operation counter: Energy in kWh (PSB/PSBE: source mode) Operation counter: Capacity in Ah (PSB/PSBE: source mode) Operation counter: Secondary energy in kWh (PSB/PSBE sink mode only) Operation counter: Secondary energy in kWh (PSB/PSBE sink mode only) Operation counter: Secondary energy in kMh (PSB/PSBE sink mode only)	F	R float R float R float R float	4 4 4	2	Floating point number EEE754 Floating point number EEE755 Floating point number EEE756	Word 2 = Minutes (0-59)	2	56	0x023