AIR TO WATER HEAT PUMP 220V EVI INVERTER			variable	index	modbus	default	data type
User parameter settings（User mask）	Electric heating control		En_AuxHeat	0	00001	0	bool
	Crankshaft/chassis electric heating control		En_Customer_16	1	00002	1	bool
	Power-off self start		OnOffUnitMng.UnitTypAfterPwrOff	2	00003	1	bool
	Working mode		CoolHeat_Mode	0	40001		int
	Heating setting point		HeatSetP	1	40002		REAL
	Refrigeration setting point		CoolSetP	2	40003		REAL
	Hot water point setting		W_TankSetP	3	40004		REAL
	Hot water return difference		hotwater_start_diff	4	40005		REAL
	Hot water constant temperature shutdown		hotwater_stop_diff	5	40006		REAL
	Cooling and heating return difference		Temp_Diff	6	40007		REAL
	Refrigeration heating constant temperature shutdown		Stop_TemP_Diff	7	40008		REAL
	deviation		Kp	8	40009		REAL
	Integral time		Ti	9	40010		UINT
	Differential time		Td	10	40011		UINT
	Main engine water pump		PmpMode	11	40012		int
	Fan mode		FanMode_Sel	12	40013		int
	Electric heating start delay		DT_AuxComp	13	40014		UINT
	Electric heating start temperature		AuxHeatSetP_Exterior	14	40015		real
	Main water pump control	Speed control inlet and outlet water temperature difference	PmpDeltaTempSetP	15	40016		real
	Heating setting point		CFchange.HeatSetP_F	491	40492		REAL
	Refrigeration setting point		CFchange.CoolSetP_F	492	40493		REAL
	Hot water setting point		CFchange.W_TankSetP_F	493	40494		REAL
Configure compressor parameters（BLDC COMPRESSOR）	Low pressure alarm delay	start delay	StartUpDT_SuctLowP	16	40017		int
		Operation delay	DT_SuctLowPrun	17	40018		int
	Speed management	Start-up forced speed	BLDC_Mng.CfgEnvCtrl_BLDC1.Speed_StartUpS	18	40019		REAL
		Max speed	BLDC_Mng.CfgEnvCtrl_BLDC1.Speed_MaxSpee	19	40020		REAL
		Min speed	BLDC_Mng.CfgEnvCtrl_BLDC1.Speed_MinSpee	20	40021		REAL
	Comp BLDC	Out of envelope alarm timeout	BLDC_Mng.CfgEnvCtrl_BLDC1.CstmEnv_EnvOu	21	40022		INT
		Low pressure diff alarm timeout	BLDC_Mng.CfgEnvCtrl_BLDC1.CstmEnv_LowDe	22	40023		INT
（Manual Control）	Water pump manual		En_PmpMan	3	00004	0	BOOL
	Manual speed control fan		fan_man_en	4	00005	0	BOOL
	Compressor manual		CompMan	5	00006	0	BOOL
	EEV manual		EVD_Manual	6	00007	0	BOOL
	Manual four-way valve		ManDout3	7	00008	0	BOOL
	Manual waterway three-way valve		ManDout5	8	00009	0	BOOL
	Manual crankshaft electric heating		ManDout6	9	00010	0	BOOL
	Manual chassis electric heating		ManDout7	10	00011	0	BOOL
	Manual end pump		ManDout8	11	00012	0	BOOL
	Manual electric heating		ManDout9	12	00013	0	BOOL
	Insert frequency converter parameters		Insert_POWER	13	00014	0	BOOL
	Manual requirements		PmpMan_Aout	23	40024		REAL
	Manual requirements		fan_man_out	24	40025		REAL
	Manual requirements		ManBLDCPwrReq	25	40026		REAL
	Manual Steps		EVD_Manual_Step	26	40027		INT
	Enable upper machine monitoring		BmsOnOff_En	15	00016	0	BOOL
	Unit mode		en_three_valve	42	00043	0	BOOL
	Temperature mode		Temp_Target_Select	27	40028		INT

	Protection value of inlet and outlet water temperature difference		DeltaTempSetP	28	40029		REAL
	Low water temperature protection value		OutLowTempSetP	29	40030		REAL
	High water temperature protection value		OutHiTempSetP	30	40031		REAL
	Delay after startup	S	threevlv_delayon	31	40032		INT
	Delay before stopping	S	threevlv_delayoff	32	40033		INT
	Starting speed of three-way valve		PmpSpeedStart	33	40034		REAL
	Three way valve start delay	min	DT_PmpStart	34	40035		INT
	Maximum speed		PmpMaxSpeed	35	40036		REAL
	Minimum speed		PmpMinSpeed	36	40037		REAL
	normally open/normally closed	ID1: Water flow switch	InputsCheck.FlwSw_Logic	16	00017	0	BOOL
		ID2: Emergency switch	InputsCheck.RemoteOnOff_Logic	17	00018	0	BOOL
		ID3: End signal switch	InputsCheck.Terminal_Switch_Logic	18	00019	1	BOOL
		ID5: power phase	InputsCheck.ProtSeqPh_Logic	19	00020	0	BOOL
		DO1: High wind	Outputs.FanHiSpeed_Logic	20	00021	0	BOOL
		DO2: Low wind	Outputs.FanHiSpeed_Logic	21	00022	1	BOOL
		DO3: Four way valve	FwVlv_On_Logic	22	00023	0	BOOL
		DO4: Host water pump	Outputs.Pmp_On_Logic	23	00024	0	BOOL
		DO5: Waterway three-way valve	Outputs.ThreeWVlv_Logic	24	00025	0	BOOL
		DO6: Electric heating of crankshaft	Outputs.HeatCrack_Logic	25	00026	0	BOOL
		DO7: Chassis electric heating	Outputs.Heat_Chassis_Logic	26	00027	0	BOOL
		DO8: End pump	Outputs.Terminal_Pump_Logic	27	00028	0	BOOL
		DO9: Electric heating	Outputs.AuxHeat_Logic	28	00029	1	BOOL
	Probe range	Main valve suction pressure range	nputsCheck.MinVal_SuctP	37	40038		REAL
			InputsCheck.MaxVal_SuctP	38	40039		REAL
		Main valve exhaust pressure range	InputsCheck.MinVal_DscgP	39	40040		REAL
			InputsCheck.MaxVal_DscgP	40	40041		REAL
	Auxiliary electronic expansion valve		EnVaporInj	30	00031	1	BOOL
	Enthalpy increasing valve control mode		EEV2_control_mode	29	00030	1	BOOL
	EVI evaporation pressure range	Min	InputsCheck.MinVal_SuctP_EVI	41	40042		REAL
		Max	InputsCheck.MaxVal_SuctP_EVI	42	40043		REAL
	Starting conditions for jet enthalpy ir	Compressor speed	VapInjRotSpeedSe	43	40044		REAL
		Exhaust superheat setting point	VapInjDischSHSet	44	40045		REAL
		Exhaust superheat deviation	VapInjDischSHDiff	45	40046		REAL
（OTHER PARAMETERS）	Starting conditions for jet enthalpy ir	Ambient temp setup	VapInjTExtSetCH	46	40047		REAL
		Ambient temp deviation	VapInjTExtDiffCH	47	40048		REAL
	Starting conditions for jet enthalpy ir	Ambient temp setup	VapInjTExtSetHP	48	40049		REAL
		Ambient temp deviation	VapInjTExtDiffHP	49	40050		REAL
	Fan shutdown delay	S	DT_FanOff	213	40214		INT
	Antifreeze shutdown delay	min	DT_Sysoff_Antif	214	40215		INT
	Enable return oil control		En_OilRecov	31	00032	1	BOOL
	Minimum demand		OilRecovMinReqThrsh	50	40051		REAL
	Minimum speed		OilRecovCompMinSpeedThrsh_rps	51	40052		REAL
	Detection delay		OilRecovWaitT_min	52	40053		INT
	Return oil speed		OilRecovFrcCompSpeed_rps	53	40054		REAL
	Oil return time		OilRecovFrcSpeedT_min	54	40055		INT
	Maximum speed for oil return and defrosting		oil_defrost_maxspeed	55	40056		REAL
	Low wind ambient temperature setting point		lowfan_amTset	56	40057		REAL
	High air ambient temperature return difference		lowfan_amTsetdiff	57	40058		REAL
	cooling mode fan pressure mode	High pressure setting point	set_highpress	58	40059		REAL
		Open loop difference	set_highpress_diff	59	40060		REAL
		Closing return difference	set_highP_Stop_diff	60	40061		REAL
		Low pressure setting point	set_lowpress	61	40062		REAL

	heating mode fan pressure mode	Open loop difference	set_lowpress_diff	62	40063		REAL
		Closing return difference	set_lowP_Stop_diff	63	40064		REAL
	address		CondenserFan.FAN_address	64	40065		UDINT
	Minimum speed of speed regulating fan		CondenserFan.FAN_min_rpm	66	40067		REAL
	Maximum speed of speed regulating fan		CondenserFan.FAN_max_rpm	67	40068		REAL
	Speed control fan activation		CondenserFan.en_fan_rpm	32	00033	0	bool
	Alarm deviation		CondenserFan.fan_RPM_diff_error	68	40069		real
	Alarm delay		CondenserFan.fan_RPM_error_delay	69	40070		int
	Fan communication failure shutdown		en_al_fan_offcom	33	00034	0	bool
	Minimum fan speed		min_y1_out	70	40071		real
	Maximum fan speed		max_y1_out	71	40072		real
	Lowest set point for refrigeration		CoolHeatMng.cool_set_min	72	40073		real
	Heating highest setting point		CoolHeatMng.heat_set_max	73	40074		real
	address		Protocol.BMS2_Address	74	40075		udint
	Enable networking		En_NetWork	34	00035	0	bool
	Set Unit Category		DevicesRotation_mng.MB_Choise	35	00036	0	bool
	Set a new password		GeneralMng.PwdManuf	76	40077		Uint
	language						
（defrost）	Enable defrosting		En_DefrostMng	36	00037	1	BOOL
	Defrost switching four-way valve press compensation		En_Dfr_PressOffset	37	00038	1	BOOL
	Minimum speed during defrosting switching		RevVlvSpeedRps	77	40078		REAL
	Defrosting EEV opening		EVD_DfrStep	78	40079		INT
	Defrosting exit EEV manual opening		EVD_DfrStep2	79	40080		INT
	EEV manual running time		EVD_DfrStep2_Time	80	40081		INT
	Defrosting compressor speed		DfrRunCompPwr	81	40082		REAL
	Speed of defrosting main water pump		DfrPmpSpeed	82	40083		REAL
	Defrost entry point		DefrostCoreMng.DfrStartThrsh	83	40084		REAL
	Defrost end setting point		DefrostCoreMng.DfrEndThrsh	84	40085		REAL
	Environmental temperature setting point		DefrostCoreMng.AmbTempSetP	85	40086		REAL
	Defrosting environment and coil temperature difference		DefrostCoreMng.DfrStartThrsh_DeltaT	86	40087		REAL
	Defrost entry delay		DefrostCoreMng.DfrStartDT	87	40088		UINT
	Minimize frost time		DefrostCoreMng.MinT_DFC	88	40089		UINT
	Maximum frost time		DefrostCoreMng.MaxT_DFC	89	40090		UINT
	Defrosting interval time		DefrostCoreMng.IntervalT_DFC	90	40091		UINT
	Timed defrosting		DefrostCoreMng.Dfr_X_Hrs	91	40092		UINT
	Start defrosting		DefrostCoreMng.DT_BeforeChgOver_DFC	92	40093		UINT
	End defrosting		DefrostCoreMng.DT_AfterChgOver_DFC	93	40094		UINT
	Drip water fan on time		DefrostCoreMng.DripT_DFC	94	40095		UINT
	High voltage setting point		DefrostCoreMng.Dfr_CondFan_SetP	95	40096		REAL
	Return difference		DefrostCoreMng.Dfr_CondFan_Diff	96	40097		REAL
	High voltage setting point		Dfr_DscgP_offset	97	40098		REAL
	Low voltage setting point		Dfr_SuctP_offset	98	40099		REAL
	date	year	GeneralMng.YearIn	182	40183		UINT
	date	month	GeneralMng.MonthIn	183	40184		UINT
	date	day	GeneralMng.DayIn	184	40185		UINT
	time	Hour	GeneralMng.HourIn	185	40186		UINT
	time	branch	GeneralMng.MinuteIn	186	40187		UINT
	week		GeneralMng.DayOfWeek	187	40188		UINT
	Enable time zone switch on/off		En_SchedOnOff	38	00039	0	bool
	Enable timed change of setting points		En_Sch_Setp	39	00040	1	bool

	Enable synchronization		En_Date	43	00044	0	bool
	Unit mode	(On/Off)	UnitOn	0	10001		BOOL
B1	Return water temperature	0	CW_InTemp	188	40189		REAL
B2	Outlet water temperature	0	CW_OutTemp	189	40190		REAL
B3	Ambient temp	0	AmbTemp	190	40191		REAL
B4	Exhaust temperature	0	DscgTemp	191	40192		REAL
B5	Suction temperature	0	SuctTemp	192	40193		REAL
B6	High pressure	0	DscgP	193	40194		REAL
B7	Low pressure	0	SuctP	194	40195		REAL
B8	Hot water temperature	0	CW_TankTemp	195	40196		REAL
B9	Coil temperature	0	CondsrCoilTemp	196	40197		REAL
ID1	Water flow switch	(On/Off)	InputsCheck.FlwSw_Din	1	10002		BOOL
ID2	Emergency switch	(On/Off)	InputsCheck.RemoteOnOff_Din	2	10003		BOOL
ID3	End signal switch	(On/Off)	InputsCheck.Terminal_Switch_Din	3	10004		BOOL
ID5	Phase sequence protection	(On/Off)	InputsCheck.ProtSeqPh_Din	4	10005		BOOL
D01	noble character		Outputs.DoutVal_1	5	10006		BOOL
D02	Low wind		Outputs.DoutVal_2	6	10007		BOOL
D03	Four way valve		Outputs.DoutVal_3	7	10008		BOOL
D04	Main engine water pump		Outputs.DoutVal_4	8	10009		BOOL
D05	Three way valve		Outputs.DoutVal_5	9	10010		BOOL
D06	Electric heating of crankshaft		Outputs.DoutVal_6	10	10011		BOOL
D07	Chassis electric heating		Outputs.DoutVal_7	11	10012		BOOL
D09	Electric heating		Outputs.DoutVal_9	12	10013		BOOL
Y1	Fan output		CondenserFan.y1_out	197	40198		REAL
Y3	Water pump output		Pump_Aout	198	40199		REAL
	Speed regulation fan 1 output		CondenserFan.fan1_RPM_OUT_2	199	40200		INT
	Speed control fan 1 feedback		CondenserFan.fan2_RPM_in_2	200	40201		INT
	Speed regulation fan 2 output		CondenserFan.fan2_RPM_OUT_2	201	40202		INT
	Speed control fan 2 feedback		CondenserFan.fan1_RPM_in_2	202	40203		INT
	Required cap		BLDC_Mng.Info_BLDC1.Info_CompRequest	203	40204		REAL
	Actual cap		BLDC_Mng.Info_BLDC1.Info_ReqSpeedToPWR	204	40205		REAL
	Actual speed		BLDC_Mng.Info_PWRP1.Info_RotorSpeed_rps	205	40206		REAL
	Evaporation temperature		EVD_Emb_1.Params_EVDEMB_1.EVD.Variables	206	40207		REAL
	Electronic expansion valve opening		EVD_Emb_1.Params_EVDEMB_1.EVD.Variables	207	40208		INT
	Discharge Superheat		EVD_Emb_1.Params_EVDEMB_1.EVD.Variables	208	40209		REAL
	Status	Drive status:	BLDC_Mng.Info_BLDC1.Info_HTZone	209	40210		INT
	Protection		EVD_Emb_1.Params_EVDEMB_1.EVD.Variables	210	40211		INT
	Suction SH		EVD_Emb_1.Params_EVDEMB_1.EVD.Variables	211	40212		REAL
	Current operating mode of the unit		uniton_mode	215	40216		INT
	Unit switch on/off		OnOffUnitMng.KeybOnOff	40	00041	0	bool
	Current temperature		Temp_Target	216	40217		real
	Unit status		UnitStatus	217	40218		int
	Water pump switch status		Pmp_On	178	10179		BOOL
	Compressor switch status		Comp_On	179	10180		BOOL
	Fan switch status		FanOn	180	10181		BOOL
	Alarm reset		AlrmResByBms	41	00042	0	BOOL
	Start on Monday: hour		TimezoneMng.On_Mon_Hour	218	40219		INT
	Start on Monday: minutes		TimezoneMng.On_Mon_Min	219	40220		INT
	On Tuesday: hour		TimezoneMng.On_Tue_Hour	220	40221		INT
	Starting on Tuesday: minutes		TimezoneMng.On_Tue_Min	221	40222		INT

时钟管理	On Wednesday: hour		TimezoneMng.On_Wed_Hour	222	40223		INT
	Starting on Wednesday: minutes		TimezoneMng.On_Wed_Min	223	40224		INT
	Start on Thursday: hour		TimezoneMng.On_Thu_Hour	224	40225		INT
	Start on Thursday: minutes		TimezoneMng.On_Thu_Min	225	40226		INT
	Start on Friday: hour		TimezoneMng.On_Fri_Hour	226	40227		INT
	Start on Friday: minutes		TimezoneMng.On_Fri_Min	227	40228		INT
	Start on Saturday: hour		TimezoneMng.On_Sat_Hour	228	40229		INT
	Start on Saturday: minutes		TimezoneMng.On_Sat_Min	229	40230		INT
	Start on Sunday: hour		TimezoneMng.On_Sun_Hour	230	40231		INT
	Start on Sunday: minutes		TimezoneMng.On_Sun_Min	231	40232		INT
	Shutdown on Monday: hours		TimezoneMng.Off_Mon_Hour	232	40233		INT
	Shutdown on Monday: minutes		TimezoneMng.Off_Mon_Min	233	40234		INT
	Shutdown on Tuesday: hour		TimezOffeMng.Off_Tue_Hour	234	40235		INT
	Shutdown on Tuesday: minutes		TimezOffeMng.Off_Tue_Min	235	40236		INT
	Shutdown on Wednesday: hour		TimezOffeMng.Off_Wed_Hour	236	40237		INT
	Shutdown on Wednesday: minutes		TimezOffeMng.Off_Wed_Min	237	40238		INT
	Shutdown on Thursday: hour		TimezOffeMng.Off_Thu_Hour	238	40239		INT
	Shutdown on Thursday: minutes		TimezOffeMng.Off_Thu_Min	239	40240		INT
	Shutdown on Friday: hour		TimezOffeMng.Off_Fri_Hour	240	40241		INT
	Shutdown on Friday: minutes		TimezOffeMng.Off_Fri_Min	241	40242		INT
	Shutdown on Saturday: hour		TimezOffeMng.Off_Sat_Hour	242	40243		INT
	Shutdown on Saturday: minutes		TimezOffeMng.Off_Sat_Min	243	40244		INT
	Shutdown on Sunday: hour		TimezOffeMng.Off_Sun_Hour	244	40245		INT
	Shutdown on Sunday: minutes		TimezOffeMng.Off_Sun_Min	245	40246		INT
Time Zone 1 Management	Hour		TimezoneMng.TempHr1	246	40247		INT
	branch		TimezoneMng.TempMin1	247	40248		INT
	refrigeration		TimezoneMng.S_Set_Temp1	248	40249		REAL
	Heating		TimezoneMng.W_Set_Temp1	249	40250		REAL
Time Zone 2 Management	Hour		TimezoneMng.TempHr2	250	40251		INT
	branch		TimezoneMng.TempMin2	251	40252		INT
	refrigeration		TimezoneMng.S_Set_Temp2	252	40253		REAL
	Heating		TimezoneMng.W_Set_Temp2	253	40254		REAL
Time Zone 3 Management	Hour		TimezoneMng.TempHr3	254	40255		INT
	branch		TimezoneMng.TempMin3	255	40256		INT
	refrigeration		TimezoneMng.S_Set_Temp3	256	40257		REAL
	Heating		TimezoneMng.W_Set_Temp3	257	40258		REAL
Time Zone 4 Management	Hour		TimezoneMng.TempHr4	258	40259		INT
	branch		TimezoneMng.TempMin4	259	40260		INT
	refrigeration		TimezoneMng.S_Set_Temp4	260	40261		REAL
	Heating		TimezoneMng.W_Set_Temp4	261	40262		REAL
ID4	Refrigeration linkage	(On/Off)	InputsCheck.CoolSw_Din	181	10182		BOOL
ID6	Heating linkage	(On/Off)	InputsCheck.HeatSW_Din	182	10183		BOOL
DO8	End water pump	(On/Off)	Outputs.DoutVal_8	183	10184		BOOL
	on/off	DI4: Refrigeration linkage	InputsCheck.CoolSw_Logic	45	00046	0	BOOL
		DI5: Heating linkage	InputsCheck.HeatSW_Logic	46	00047	1	BOOL
		Speed regulating water pump	PumpMng.Enable_Ao_Pump	47	00048	0	BOOL
		EEV2 manual mode	En_EVI_ManMode	48	00049	0	BOOL
		EEV2 manual steps	EVI_ManSteps	262	40263		int
		Manual low wind	ManDout1	49	00050	0	BOOL
		Manual high wind	ManDout2	50	00051	0	BOOL
		Fan grading windshield mode	fan_mode_bool	51	00052	0	BOOL
		X1	X_CH[1]	276	40277		real

Fan Economy Mode	Cooling ambient temperature X-axis	X2	X_CH[2]	277	40278		real
		X3	X_CH[3]	278	40279		real
		X4	X_CH[4]	279	40280		real
	Heating ambient temperature X-axis	X1	X_Hp[1]	280	40281		real
		X2	X_Hp[2]	281	40282		real
		X3	X_Hp[3]	282	40283		real
		X4	X_Hp[4]	283	40284		real
	Hot water ambient temperature X-ax	X1	X_DHW[1]	284	40285		real
		X2	X_DHW[2]	285	40286		real
		X3	X_DHW[3]	286	40287		real
		X4	X_DHW[4]	287	40288		real
	Cooling water temperature Y-axis se	Y2	Y_CH[2]	288	40289		real
		Y3	Y_CH[3]	289	40290		real
		Y4	Y_CH[4]	290	40291		real
	Heating water temperature Y-axis se	Y1	Y_Hp[1]	291	40292		real
		Y2	Y_Hp[2]	292	40293		real
		Y3	Y_Hp[3]	293	40294		real
	Hot water temperature Y-axis setting	Y1	Y_DHW[1]	294	40295		real
		Y2	Y_DHW[2]	295	40296		real
		Y3	Y_DHW[3]	296	40297		real
		Enable mode switching based on ambient temperature	Enable_AmbTemp_Switch	52	00053	1	bool
		Setting point for environmental temperature switching mode	Amb_switch_SetP	297	40298		real
		Loop temperature switching mode return difference	Amb_switch_Offs	298	40299		real
		Minimum start interval of water pump	MIN_pumpoffTime	299	40300		int
		Correction value of return water temperature	CW_InTemp_Offs	300	40301		real
		Correction value of outlet water temperature	CW_OutTemp_Offs	301	40302		real
		Ambient temp correction value	AmbTemp_Offs	302	40303		real
		Exhaust temperature correction value	DscgTemp_Offs	303	40304		real
		Correction value of suction temperature	SuctTemp_Offs	304	40305		real
		High pressure correction value	DscgP_Offs	305	40306		real
		Low pressure correction value	SuctP_Offs	306	40307		real
		Correction value of hot water temperature	Water_Tank_Temp_Offs	307	40308		real
		Correction value for coil temperature	CondsrCoilTemp_Offs	308	40309		real
		Electronic expansion valve 2 opening	EVD_Emb_1_2.Params_EVDEMB_1.EVD.Variab	309	40310		int
		High temperature differential load reduction deviation	DeltaTemp_Deload_SetP1	310	40311		real
		High temperature difference frequency limiting deviation	DeltaTemp_Deload_SetP2	311	40312		real
		High temperature difference frequency limiting exit deviation	DeltaTemp_Deload_SetP3	312	40313		real
		Deviation of high water outlet load reduction	OutletHighTemp_Deload_SetP1	313	40314		real
		High water outlet frequency limit deviation	OutletHighTemp_Deload_SetP2	314	40315		real
		Exit deviation of high water outlet frequency limit	OutletHighTemp_Deload_SetP3	315	40316		real
		Deviation of low effluent load reduction	OutletLowTemp_Deload_SetP1	316	40317		real
		Low water outlet frequency limit deviation	OutletLowTemp_Deload_SetP2	317	40318		real
		Low water outlet frequency limit exit deviation	OutletLowTemp_Deload_SetP3	318	40319		real
		Frequency reduction delay	Deloading_delay	319	40320		int
		Frequency reduction status	Deload_Code	320	40321		int
		Frequency reduction interval	Deload_Interval_time	321	40322		int
		Frequency reduction rate	Deload_rate	322	40323		real
		Enable high temperature differential frequency limiting	Enable_DeltaTemp_Limit	184	10185		bool
		Enable low water outlet frequency limiting	Enable_LowOutletTemp_Limit	185	10186		bool
		Enable high water outlet frequency limiting	Enable_highOutletTemp_Limit	186	10187		bool
		Electric heating control	En_AuxHeat	323	40324		INT
		Antifreeze requirements	Anti_CompReq	324	40325		real

		First level antifreeze enable	Enable_Antifreeze_Prevent_first	53	00054	1	bool
		Secondary antifreeze enable	Enable_Antifreeze_Prevent_sec	54	00055	0	bool
		Program version number 1	GeneralMng.CurrVer.X	325	40326		INT
		Program version number 2	GeneralMng.CurrVer.Y	326	40327		INT
		Program version number 3	GeneralMng.CurrVer.Z	327	40328		INT
		Unit Model Code 1	GeneralMng.UnitType_A	328	40329		INT
		Unit Model Code 2	GeneralMng.UnitType_B	329	40330		INT
		Delayed start of the water pump for three minutes during fault	Alarm_pumpoff_Time	330	40331		int
		During normal standby, delay starting the water pump for three	Unit_StandBy_Anti_Delay	331	40332		INT
		Switch from station to hot water mode and enable hot water de	Enable_HotWater_mode_switch	55	00056	0	bool
		Input and output frequency converter default value	BLDC_Mng.MiscMng_PWRP1.Mng_WriteDefau	332	40333		int
		Restore default values	En_WipeMem	57	00058		bool
		Frequency converter power	BLDC_Mng.Info_PWRP1.Info_MotPwr	333	40334		real
		Frequency converter voltage	BLDC_Mng.Info_PWRP1.Info_MotV	334	40335		int
		Frequency converter current	BLDC_Mng.Info_PWRP1.Info_MotA	335	40336		real
		Refrigeration point compensation	Cool_SetPCompensated_enable	110	00111		bool
		Heating point compensation	Heat_SetPCompensated_enable	111	00112		bool
		Hot water point compensation	W_TankSetPCompensated_enable	112	00113		bool
		Swimming pool switch status	POOL_HeatSw_Din	113	00114		bool
		Heating mode enables swimming pool function	En_pool_heat_heat	114	00115		bool
		Hot water mode enables swimming pool function	En_pool_heat_hot	115	00116		bool
		Heating+hot water mode enables swimming pool function	En_pool_heat_heathot	116	00117		bool

	alarm no.		Description	index	modbus		data type
	AL001		Too many mem writings	13	10014	1	BOOL
	AL002		Retain mem write error	14	10015	1	BOOL
	AL003		Inlet probe error	15	10016	1	BOOL
	AL004		Outlet probe error	16	10017	1	BOOL
	AL005		Ambient probe error	17	10018	1	BOOL
	AL006		Condenser coil temp	18	10019	1	BOOL
	AL007		Water flow switch	19	10020	1	BOOL
	AL008		Phase sequ.prot.alarm	20	10021	1	BOOL
	AL009		Unit work hour warning	21	10022	1	BOOL
	AL010		Pump work hour warning	22	10023	1	BOOL
	AL011		Comp.work hour warning	23	10024	1	BOOL
	AL012		Cond.fan work hourWarn	24	10025	1	BOOL
	AL013		Low superheat - Vlv.A	25	10026	1	BOOL
	AL014		Low superheat - Vlv.B	26	10027	1	BOOL
	AL015		LOP - Vlv.A	27	10028	1	BOOL
	AL016		LOP - Vlv.B	28	10029	1	BOOL
	AL017		MOP - Vlv.A	29	10030	1	BOOL
	AL018		MOP - Vlv.B	30	10031	1	BOOL
	AL019		Motor error - Vlv.A	31	10032	1	BOOL
	AL020		Motor error - Vlv.B	32	10033	1	BOOL
	AL021		Low suct.temp. - Vlv.A	33	10034	1	BOOL
	AL022		Low suct.temp. - Vlv.B	34	10035	1	BOOL

	AL023		High condens.temp.EVD	35	10036	1	BOOL
	AL024		Probe S1 error EVD	36	10037	1	BOOL
	AL025		Probe S2 error EVD	37	10038	1	BOOL
	AL026		Probe S3 error EVD	38	10039	1	BOOL
	AL027		Probe S4 error EVD	39	10040	1	BOOL
	AL028		Battery discharge EVD	40	10041	1	BOOL
	AL029		EEPROM alarm EVD	41	10042	1	BOOL
	AL030		Incomplete closing EVD	42	10043	1	BOOL
	AL031		Emergency closing EVD	43	10044	1	BOOL
	AL032		FW not compatible EVD	44	10045	1	BOOL
	AL033		Config. error EVD	45	10046	1	BOOL
	AL034		EVD Driver offline	46	10047	1	BOOL
	AL035		BLDC-alarm:High startup DeltaP	47	10048	1	BOOL
	AL036		BLDC-alarm:Compressor shut off	48	10049	1	BOOL
	AL037		BLDC-alarm:Out of Envelope	49	10050	1	BOOL
	AL038		BLDC-alarm:Starting fail wait	50	10051	1	BOOL
	AL039		BLDC-alarm:Starting fail exceeded	51	10052	1	BOOL
	AL040		BLDC-alarm:Low delta pressure	52	10053	1	BOOL
	AL041		BLDC-alarm:High discarge gas temp	53	10054	1	BOOL
	AL042		Envelope-alarm:High compressor ratio	54	10055	1	BOOL
	AL043		Envelope-alarm:High discharge press.	55	10056	1	BOOL
	AL044		Envelope-alarm:High current	56	10057	1	BOOL
	AL045		Envelope-alarm:High suction pressure	57	10058	1	BOOL
	AL046		Envelope-alarm:Low compressor ratio	58	10059	1	BOOL
	AL047		Envelope-alarm:Low pressure diff.	59	10060	1	BOOL
	AL048		Envelope-alarm:Low discharge pressure	60	10061	1	BOOL
	AL049		Envelope-alarm:Low suction pressure	61	10062	1	BOOL
	AL050		Envelope-alarm:High discharge temp.	62	10063	1	BOOL
	AL051		Power+ alarm:01-Overcurrent	63	10064	1	BOOL
	AL052		Power+ alarm:02-Motor overload	64	10065	1	BOOL
	AL053		Power+ alarm:03-DCbus overvoltage	65	10066	1	BOOL
	AL054		Power+ alarm:04-DCbus undervoltage	66	10067	1	BOOL
	AL055		Power+ alarm:05-Drive overtemp.	67	10068	1	BOOL
	AL056		Power+ alarm:06-Drive undertemp.	68	10069	1	BOOL
	AL057		Power+ alarm:07-Overcurrent HW	69	10070	1	BOOL
	AL058		Power+ alarm:08-Motor overtemp.	70	10071	1	BOOL
	AL059		Power+ alarm:09-IGBT module error	71	10072	1	BOOL
	AL060		Power+ alarm:10-CPU error	72	10073	1	BOOL
	AL061		Power+ alarm:11-Parameter default	73	10074	1	BOOL
	AL062		Power+ alarm:12-DCbus ripple	74	10075	1	BOOL
	AL063		Power+ alarm:13-Data comm. Fault	75	10076	1	BOOL
	AL064		Power+ alarm:14-Thermistor fault	76	10077	1	BOOL
	AL065		Power+ alarm:15-Autotuning fault	77	10078	1	BOOL
	AL066		Power+ alarm:16-Drive disabled	78	10079	1	BOOL
	AL067		Power+ alarm:17-Motor phase fault	79	10080	1	BOOL
	AL068		Power+ alarm:18-Internal fan fault	80	10081	1	BOOL
	AL069		Power+ alarm:19-Speed fault	81	10082	1	BOOL
	AL070		Power+ alarm:20-PFC module error	82	10083	1	BOOL
	AL071		Power+ alarm:21-PFC overvoltage	83	10084	1	BOOL
	AL072		Power+ alarm:22-PFC undervoltage	84	10085	1	BOOL
	AL073		Power+ alarm:23-STO DetectionError	85	10086	1	BOOL
	AL074		Power+ alarm:24-STO DetectionError	86	10087	1	BOOL

	AL075		Power+ alarm:25-Ground fault	87	10088	1	BOOL
	AL076		Power+ alarm:26-Internal error 1	88	10089	1	BOOL
	AL077		Power+ alarm:27-Internal error 2	89	10090	1	BOOL
	AL078		Power+ alarm:28-Drive overload	90	10091	1	BOOL
	AL079		Power+ alarm:29-uC safety fault	91	10092	1	BOOL
	AL080		Power+ alarm:98-Unexpected restart	92	10093	1	BOOL
	AL081		Power+ alarm:99-Unexpected stop	93	10094	1	BOOL
	AL082		Power+ safety alarm:01-Current meas.fault	94	10095	1	BOOL
	AL083		Power+ safety alarm:02-Current unbalanced	95	10096	1	BOOL
	AL084		Power+ safety alarm:03-Over current	96	10097	1	BOOL
	AL085		Power+ safety alarm:04-STO alarm	97	10098	1	BOOL
	AL086		Power+ safety alarm:05-STO hardware alarm	98	10099	1	BOOL
	AL087		Power+ safety alarm:06-PowerSupply missing	99	10100	1	BOOL
	AL088		Power+ safety alarm:07-HW fault cmd.buffer	100	10101	1	BOOL
	AL089		Power+ safety alarm:08-HW fault heater c.	101	10102	1	BOOL
	AL090		Power+ safety alarm:09-Data comm. Fault	102	10103	1	BOOL
	AL091		Power+ safety alarm:10-Compr. stall detect	103	10104	1	BOOL
	AL092		Power+ safety alarm:11-DCbus over current	104	10105	1	BOOL
	AL093		Power+ safety alarm:12-HWF DCbus current	105	10106	1	BOOL
	AL094		Power+ safety alarm:13-DCbus voltage	106	10107	1	BOOL
	AL095		Power+ safety alarm:14-HWF DCbus voltage	107	10108	1	BOOL
	AL096		Power+ safety alarm:15-Input voltage	108	10109	1	BOOL
	AL097		Power+ safety alarm:16-HWF input voltage	109	10110	1	BOOL
	AL098		Power+ safety alarm:17-DCbus power alarm	110	10111	1	BOOL
	AL099		Power+ safety alarm:18-HWF power mismatch	111	10112	1	BOOL
	AL100		Power+ safety alarm:19-NTC over temp.	112	10113	1	BOOL
	AL101		Power+ safety alarm:20-NTC under temp.	113	10114	1	BOOL
	AL102		Power+ safety alarm:21-NTC fault	114	10115	1	BOOL
	AL103		Power+ safety alarm:22-HWF sync fault	115	10116	1	BOOL
	AL104		Power+ safety alarm:23-Invalid parameter	116	10117	1	BOOL
	AL105		Power+ safety alarm:24-FW fault	117	10118	1	BOOL
	AL106		Power+ safety alarm:25-HW fault	118	10119	1	BOOL
	AL107		Power+ safety alarm:26-reseved	119	10120	1	BOOL
	AL108		Power+ safety alarm:27-reseved	120	10121	1	BOOL
	AL109		Power+ safety alarm:28-reseved	121	10122	1	BOOL
	AL110		Power+ safety alarm:29-reseved	122	10123	1	BOOL
	AL111		Power+ safety alarm:30-reseved	123	10124	1	BOOL
	AL112		Power+ safety alarm:31-reseved	124	10125	1	BOOL
	AL113		Power+ safety alarm:32-reseved	125	10126	1	BOOL
	AL114		Power+ alarm:Power+ offline	126	10127	1	BOOL
	AL115		EEV alarm:Low superheat	127	10128	1	BOOL
	AL116		EEV alarm:LOP	128	10129	1	BOOL
	AL117		EEV alarm:MOP	129	10130	1	BOOL
	AL118		EEV alarm:High condens.temp.	130	10131	1	BOOL
	AL119		EEV alarm:Low suction temp.	131	10132	1	BOOL
	AL120		EEV alarm:Motor error	132	10133	1	BOOL
	AL121		EEV alarm:Self Tuning	133	10134	1	BOOL
	AL122		EEV alarm:Emergency closing	134	10135	1	BOOL
	AL123		EEV alarm:Temperature delta	135	10136	1	BOOL
	AL124		EEV alarm:Pressure delta	136	10137	1	BOOL
	AL125		EEV alarm:Param.range error	137	10138	1	BOOL
	AL126		EEV alarm:ServicePosit% err	138	10139	1	BOOL

	AL127		EEV alarm:ValveID pin error	139	10140	1	BOOL
	AL128		Low press alarm	140	10141	1	BOOL
	AL129		High press alarm	141	10142	1	BOOL
	AL130		Disc.temp.probe error	142	10143	1	BOOL
	AL131		Suct.temp.probe error	143	10144	1	BOOL
	AL132		Disc.press.probe error	144	10145	1	BOOL
	AL133		Suct.press.probe error	145	10146	1	BOOL
	AL134		Tank temp.probe error	146	10147	1	BOOL
	AL135		EVI SuctT.probe error	147	10148	1	BOOL
	AL136		EVI SuctP.probe error	148	10149	1	BOOL
	AL137		Flow switch alarm	149	10150	1	BOOL
	AL138		High temp. alarm	150	10151	1	BOOL
	AL139		Low temp. alarm	151	10152	1	BOOL
	AL140		Temp.delta alarm	152	10153	1	BOOL
	AL141		EVI alarm:Param.range error	153	10154	1	BOOL
	AL142		EVI alarm:Low superheat	154	10155	1	BOOL
	AL143		EVI alarm:LOP	155	10156	1	BOOL
	AL144		EVI alarm:MOP	156	10157	1	BOOL
	AL145		EVI alarm:High condens.temp.	157	10158	1	BOOL
	AL146		EVI alarm:Low suction temp.	158	10159	1	BOOL
	AL147		EVI alarm:Motor error	159	10160	1	BOOL
	AL148		EVI alarm:Self Tuning	160	10161	1	BOOL
	AL149		EVI alarm:Emergency closing	161	10162	1	BOOL
	AL150		EVI alarm:ServicePosit% err	162	10163	1	BOOL
	AL151		EVI alarm:ValveID pin error	163	10164	1	BOOL
	AL152		Supply power error	164	10165	1	BOOL
	AL153		Fan1 fault	165	10166	1	BOOL
	AL154		Fan2 fault	166	10167	1	BOOL
	AL155		Fans Offline	167	10168	1	BOOL
	AL165		Slave1 Offline	168	10169	1	BOOL
	AL166		Master Offline	169	10170	1	BOOL
	AL167		Slave2 Offline	170	10171	1	BOOL
	AL168		Slave3 Offline	171	10172	1	BOOL
	AL169		Slave4 Offline	172	10173	1	BOOL
	AL170		Slave5 Offline	173	10174	1	BOOL
	AL171		Slave6 Offline	174	10175	1	BOOL
	AL172		Slave7 Offline	175	10176	1	BOOL
	AL173		Slave8 Offline	176	10177	1	BOOL
	AL174		Slave9 Offline	177	10178	1	BOOL

range	note
	0: Day mode; 1: Night mode; 2: Low wind mode; 3: Pressure mode;
0~5	0: Cooling mode; 1: Heating mode; 2: Hot water mode; 3: Hot water+refrigeration; 4: Hot water+heating; 5: Swimming pool
10.0~CoolHeatMng.heat_set_max默认55	Set value ℃
CoolHeatMng.cool_set_min默认12~40.0	Set value ℃
10.0~CoolHeatMng.heat_set_max默认55	Set value ℃
1.0~15.0	
0.0~5.0	
1.0~15.0	
0.0~5.0	
1.0~999.0	
0-9999	
0-9999	
0~1	0: on; 1: Based on demand;
0~3	
0-999	
-30.0~20.0	
2.0~15.0	
50.0~CFchange.heat_set_max_F默认131）范围	Setpoint ℉ added
CFchange.cool_set_min_F（默认53.6）~104范围	Setpoint ℉ added
50.0~CFchange.heat_set_max_F（默认131）范围	Setpoint ℉ added
0~999	
0~999	
20.0~120.0	
0.0~999.0	
0.0~99.0	
0-32000	
0-32000	
0.0~100.0	
0.0~100.0	
0.0~100.0	
0-480	
	0: Dual supply 1: Triple supply
0~1	0: Water inlet temperature; 1: Outlet water temperature;

2.0~15.0	
-99.0~99.0	
-99.0~99.0	
0-999	
0-999	
0.0~100.0	
0-999	
0.0~100.0	
0.0~100.0	
-99.0~99.0	
-99.0~99.0	
-99.0~99.0	
-99.0~99.0	
	0: Inhalation superheat; 1: Exhaust superheat;
-99.0~99.0	
-99.0~99.0	
0.0~999.0	
0.0~999.0	
0.0~999.0	
-999.0~999.0	
-999.0~999.0	
-999.0~999.0	
-999.0~999.0	
0~60	
0~120	
0.0~99.0	
0.0~99.0	
10~999	
0.0~200.0	
1~99	
0.0~120.0	
0.0~999.0	
0.0~999.0	
0.0~99.0	
0.0~99.0	
0.0~99.0	
0.0~99.0	

0.0~99.0	
0.0~99.0	
0-999	
0.0~9999.0	
0.0~9999.0	
0.0~9999.0	
0~999	
0.0~100.0	
0.0~100.0	
-99~100	
-99~100	
1-207	
	0: Slave; 1: Host;
0~9999	
	No such variable
30.0~90.0	
0-480	
0-480	
0~999	
30.0~oil_defrost_maxspeed（oil_defrost_maxspeed范围0.0~120.0）	
0.0~100.0	
-20.0~30.0	
0.0~30.0	
-30.0~30.0	
1.0~30.0	
0~90	
1-99	
1~99	
0-480	
1~999	
0~99	
0~99	
0-999	
0.0~40.0	
0.0~10.0	
0.0~40.0	
0.0~30.0	
0~99	
0~12	
0~31	
0~23	
0~59	
1~7	

℃/℉	
℃/℉	
℃/℉	
℃/℉	
℃/℉	
℃/℉	
℃/℉	
	0:ok 1:Controlled 2:limited
	0: none 1：none 2：LowSH 3：lop 4:Mop 5:HiTcond
	0: cooling 1: Heating 2: Hot water
	0: Off 1: On
0-11	0: Machine preparation; 1: Unit startup; 2: Alarm shutdown; 3: Network shutdown; 4: Monitoring shutdown; 5: Emergency shutdown; 6: Press the button to shut down; 7: Manual moc
0-23	
0-59	
0-23	
0-59	

0-23	
0-59	
0-23	
0-59	
0-23	
0-59	
0-23	
0-59	
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0-23	
0-59	
0-23	
0-59	
0-23	
0-59	
0-23	
0-59	
0-23	
0-59	
-99.0~99.0	
-99.0~99.0	
0-95	
0-131	
-99.0~99.0	
-99.0~99.0	
0-167	
0-203	
-99.0~99.0	
-99.0~99.0	
0-239	
0-275	
-99.0~99.0	
-99.0~99.0	

0: Disable 1: Enable
0: Disable 1: Enable
0-480
0: Grading position 1: Grading
-99.9~99.9

-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
-99.9~99.9
0: Disable 1: Enable
10.0~30.0
0.0~20.0
1~99min
0.0~99.0
0.0~99.0
0.0~99.0
0.0~99.0
0.0~99.0
0.0~99.0
0.0~99.0
0.0~99.0
0.0~99.0
0-480
0.0-99.0
0.0-99.0
0.0-99.0
0.0-99.0
0.0-99.0
0.0-99.0
0.0-99.0
0.0-99.0
0.0-99.0
0-99

0: 1: High temperature differential frequency limit 2: Low water outlet frequency limit 3: High water outlet frequency limit

Unit: seconds
0: Disabled 1: Hot water 2: Floor heating 3: Shared

0: Disable 1: Enable
0: Disable 1: Enable
min
min
0: Disable 1: Enable
0: No 1: Yes
0: No 1: Yes
0: Disable 1: Enable
0: Disable 1: Enable
0: Disable 1: Enable
0: Closed 1: Open
0: Disable 1: Enable
0: Disable 1: Enable
0: Disable 1: Enable

	Description
	Frequent writing of storage type variables
	Frequent write error alarms for stored variables
	Inlet temperature probe faulty or offline
	Faulty or offline outlet temperature probe
	Ambient temp probe malfunction or offline
	Condensation coil temperature probe faulty or offline
	Water flow switch alarm
	Phase sequence protection switch alarm
	Unit working time warning
	Water pump working time warning
	Compressor working time warning
	Working time of condensing fan
	EEV valve A low superheat alarm
	EEV valve B low superheat alarm
	EEV valve A LOP alarm
	EEV valve B LOP alarm
	EEV valve A MOP alarm
	EEV valve B MOP alarm
	EEV valve A alarm
	EEV valve B alarm
	EEV valve A low suction temperature alarm
	EEV valve B low suction temperature alarm

	EEV high condensation temperature alarm
	EEV S1 probe alarm
	EEV S2 probe alarm
	EEV S3 probe alarm
	EEV S4 probe alarm
	EEV battery failure
	EEV EEPROM alarm
	EEV not fully closed alarm
	EEV emergency shutdown alarm
	EEV FW version mismatch
	EEV configuration error
	EEV offline alarm
	BLDC - Starting pressure difference too high
	BLDC Compressor Off
	BLDC - out of operating range
	BLDC Compressor Start Failure
	BLDC Compressor Start Failure
	BLDC Low Pressure Differential
	BLDC High Exhaust Temperature
	Envelope High voltage ratio
	Envelope - High exhaust pressure
	Envelope - High current
	Envelope - High suction pressure
	Envelope - Low voltage ratio
	Envelope - Low pressure difference
	Envelope - Low exhaust pressure
	Envelope - Low suction pressure
	Envelope - High exhaust temperature
	Power+01- Overcurrent
	Power+02- Motor overload
	Power+03-DCbus overvoltage
	Power+04-DCbus undervoltage
	Power+05- Frequency converter overheating
	Power+06- Inverter under temperature
	Power+07- Overcurrent HW
	Power+08- Motor overheating
	Power+09-IGBT module failure
	Power+10 CPU failure
	Power+11- Missing parameter
	Power+12- Bus voltage fluctuation
	Power+13- Data communication failure
	Power+14- Thermistor fault
	Power+15- automatic adjustment fault
	Power+16- frequency converter disabled
	Power+17- Motor phase sequence fault
	Power+18- Fan fault
	Power+19- Speed fault
	Power+20-PFC module failure
	Power+21-PFC overvoltage
	Power+22-PFC undervoltage
	Power+23-STO error detection
	Power+24-STO error detection

	Power+25- Ground wire fault
	Power+26-CPU synchronization error 1
	Power+27-CPU synchronization error 2
	Power+28- Inverter overload
	Power+29：uC safety fault
	Power+98：Unexpected restart
	Power+99：Unexpected stop
	Power+ safety alarm:01-Current meas.fault
	Power+ safety alarm:02-Current unbalanced
	Power+ safety alarm:03-Over current
	Power+ safety alarm:04-STO alarm
	Power+ safety alarm:05-STO hardware alarm
	Power+ safety alarm:06-PowerSupply missing
	Power+ safety alarm:07-HW fault cmd.buffer
	Power+ safety alarm:08-HW fault heater c.
	Power+ safety alarm:09-Data comm. Fault
	Power+ safety alarm:10-Compr. stall detect
	Power+ safety alarm:11-DCbus over current
	Power+ safety alarm:12-HWF DCbus current
	Power+ safety alarm:13-DCbus voltage
	Power+ safety alarm:14-HWF DCbus voltage
	Power+ safety alarm:15-Input voltage
	Power+ safety alarm:16-HWF input voltage
	Power+ safety alarm:17-DCbus power alarm
	Power+ safety alarm:18-HWF power mismatch
	Power+ safety alarm:19-NTC over temp.
	Power+ safety alarm:20-NTC under temp.
	Power+ safety alarm:21-NTC fault
	Power+ safety alarm:22-HWF sync fault
	Power+ safety alarm:23-Invalid parameter
	Power+ safety alarm:24-FW fault
	Power+ safety alarm:25-HW fault
	Power+ safety alarm:26-reseved
	Power+ safety alarm:27-reseved
	Power+ safety alarm:28-reseved
	Power+ safety alarm:29-reseved
	Power+ safety alarm:30-reseved
	Power+ safety alarm:31-reseved
	Power+ safety alarm:32-reseved
	Inverter offline alarm
	EEV low superheat alarm
	EEV LOP alarm
	EEV MOP alarm
	EEV high condensation temperature alarm
	EEV low suction temperature alarm
	EEV motor fault
	EEV from PID error
	EEV emergency shutdown alarm
	EEV temperature difference protection
	EEV differential pressure protection
	EEV range error
	EEV position signal error

	EEV serial number error
	Low pressure alarm
	High voltage alarm
	Exhaust temperature probe alarm
	Suction temperature probe alarm
	Exhaust pressure probe alarm
	Suction pressure probe alarm
	Water tank temperature probe alarm
	EVI suction temperature probe alarm
	EVI suction pressure probe alarm
	Water flow switch alarm
	High water outlet temperature alarm
	Low water outlet temperature alarm
	Inlet and outlet water temperature difference alarm
	EVI Range Error
	EVI low superheat alarm
	EVI LOP alarm
	EVI MOP alarm
	EVI high condensation temperature alarm
	EVI low suction temperature alarm
	EVI motor malfunction
	EVI adaptive PID error
	EVI emergency shutdown
	EVI position signal error
	EVI serial number error
	Power frequency fluctuation alarm
	Speed control fan 1 malfunction
	Speed control fan 2 malfunction
	Speed control fan communication offline
	1 # Slave offline
	Host offline
	2 # slave offline
	3 # slave offline
	4 # slave offline
	5 # slave offline
	6 # slave offline
	7 # slave offline
	8 # slave offline
	9 # slave offline

de; 8: Unit antifreeze; 9: Networking switch; 10: Switching off; 11: High-temperature sterilization