

CLCII MonitorSystem ModbusTCP Register List

The data from the CLCII MMS Monitor System is presented as IEC61131 0-based holding registers (%MW). Several data parameters contain an implied decimal place for greater precision. For example, register **00078** indicates the bypass frequency of the bypass line and must be multiplied by 0.1 (a value of 599 indicates a frequency of 59.9Hz). These details are documented in the notes.

Table 1
Auxiliary I/O Register List (Outputs)

Register	Bit	Description
%MW00005	:X08	[Q0] Discrete Output 1
	:X09	[Q1] Discrete Output 2
	:X10	[Q2] Relay Output 3
	:X11	[Q3] Relay Output 4
	:X12	[Q4] Relay Output 5
	:X13	[Q5] Relay Output 6
	:X14	[Q6] Relay Output 7
	:X15	[Q7] Relay Output 8

Table 2
Auxiliary I/O Register List (Inputs)

Register	Bit	Description	
%MW00006	:X00	[I0] SMB Input Power (VMB)	
	:X01	[I1] SMB Closed	
	:X02	[I2] 52L Closed	
	:X03	[I3] LBT Closed	
	:X04	[I4] 52L1 Closed	
	:X05	[I5] 52L2 Closed	
	:X06	[I6] 52L3 Closed	
	:X07	[I7] 52L4 Closed	
	:X08	[I8] LBT1 Closed	
	:X09	[I9] LBT2 Closed	
	:X10	[I10] LBT3 Closed	
	:X11	[I11] LBT4 Closed	
	%MW00007	:X12	[0] 52L5 Closed
		:X13	[1] 52L6 Closed
		:X14	[2] 52L7 Closed
:X15		[3] 52L8 Closed	
:X00		[4] LBT5 Closed	
:X01		[5] LBT6 Closed	
:X02		[6] LBT7 Closed	
:X03		[7] LBT8 Closed	
:X04		[8] Inverter Inhibit	
:X05		[9]	
:X06		[10]	
:X07		[11]	
:X08		[12]	
:X09		[13]	
:X10		[14]	
:X11	[15]		

Table 3

CLC Mimic Register List

Register	Bit	Description
%MW00000	:X00	CLC AC power from UPS1
	:X01	CLC AC power from UPS2
	:X02	CLC AC power from UPS3
	:X03	CLC AC power from UPS4
	:X04	CLC AC power from UPS5
	:X05	CLC AC power from UPS6
	:X06	CLC AC power from UPS7
	:X07	CLC AC power from UPS8
%MW00001	:X00	System Alarm

Table 4

CLC Parameter Register List (32bit)

Register	Measurement	Notes
%MW00010	System KW Percentage	x0.1%
%MW00012	System KW	KW
%MW00014	System AC Current	A
%MW00016	Output Current UPS1	x0.1A
%MW00018	Output Current UPS2	x0.1A
%MW00020	Output Current UPS3	x0.1A
%MW00022	Output Current UPS4	x0.1A
%MW00024	Output Current UPS5	x0.1A
%MW00026	Output Current UPS6	x0.1A
%MW00028	Output Current UPS7	x0.1A
%MW00030	Output Current UPS8	x0.1A
%MW00032	Output KW UPS1	x0.1 KW
%MW00034	Output KW UPS2	x0.1 KW
%MW00036	Output KW UPS3	x0.1 KW
%MW00038	Output KW UPS4	x0.1 KW
%MW00040	Output KW UPS5	x0.1 KW
%MW00042	Output KW UPS6	x0.1 KW
%MW00044	Output KW UPS7	x0.1 KW
%MW00046	Output KW UPS8	x0.1 KW
%MW00048	Output KW Percentage UPS1	x0.1%
%MW00050	Output KW Percentage UPS2	x0.1%
%MW00052	Output KW Percentage UPS3	x0.1%
%MW00054	Output KW Percentage UPS4	x0.1%
%MW00056	Output KW Percentage UPS5	x0.1%
%MW00058	Output KW Percentage UPS6	x0.1%
%MW00060	Output KW Percentage UPS7	x0.1%
%MW00062	Output KW Percentage UPS8	x0.1%

Table 5			
CLC Parameter Register List (16bit)			
Register	Measurement	Notes	
%MW00008	CLC UPS Module Capacity	2,3,4,5,6,7, or 8	
%MW00009	Modules' Individual UPS KVA	KVA	
%MW00422	CLC ID Label	(128bit) 8x 16bit	
%MW00423	CLC ID Label		
%MW00424	CLC ID Label		
%MW00425	CLC ID Label		
%MW00426	CLC ID Label		
%MW00427	CLC ID Label		
%MW00428	CLC ID Label		
%MW00429	CLC ID Label		

Table 6			
UPS Parameter Register List			
	Register	Measurement	Notes
	%MW00078	UPS1 Bypass Frequency	x0.1Hz
	%MW00079	UPS1 Bypass Voltage	x0.1V
	%MW00080	UPS1 Bypass Voltage AB	x0.1V
	%MW00081	UPS1 Bypass Voltage BC	x0.1V
	%MW00082	UPS1 Bypass Voltage CA	x0.1V
	%MW00083	UPS1 Input Frequency	x0.1Hz
	%MW00084	UPS1 Input Voltage	x0.1V
	%MW00085	UPS1 Input Voltage AB	x0.1V
	%MW00086	UPS1 Input Voltage BC	x0.1V
	%MW00087	UPS1 Input Voltage CA	x0.1V
	%MW00088		
	%MW00089	UPS1 Output Voltage AB	x0.1V
	%MW00090	UPS1 Output Voltage BC	x0.1V
	%MW00091	UPS1 Output Voltage CA	x0.1V
	%MW00092	UPS1 DC Voltage PC	x0.1V
	%MW00093	UPS1 DC Voltage CN	x0.1V
	%MW00094		
	%MW00095	UPS1 Output Frequency	x0.1Hz
	%MW00096	UPS1 Output Voltage	x0.1 KW
	%MW00097	UPS1 Power Factor	x0.01
	%MW00098	UPS1 Output Current A	x0.1A
	%MW00099	UPS1 Output Current B	x0.1A
	%MW00100	UPS1 Output Current C	x0.1A
	%MW00101		
	%MW00102	UPS1 Output Current Percentage	x0.1%
	%MW00103	UPS1 Output Current Percentage	x0.1%
	%MW00104	UPS1 Output Current Percentage	x0.1%
	%MW00105		
	%MW00106	UPS1 Output KW	x0.1 KW
	%MW00107	UPS1 Output Power Percentage	x0.1%
	%MW00108	UPS1 DC capacitor voltage	x0.1V
	%MW00109	UPS1 Battery Voltage	x0.1V
	%MW00110	UPS1 Battery Current	x0.1A
	%MW00111	UPS1 Battery Remain Percentag	x0.1%
	%MW00112	UPS1 Battery Runtime min	Minutes
	%MW00113		
	%MW00114	UPS1 Battery Discharge s	Seconds
	%MW00115	UPS1 Battery Discharge min	Minutes
	%MW00116	UPS1 Battery Discharge hr	Hours
	%MW00117	UPS1 Current Fault Count	
	%MW00118	UPS1 KVA Rating	KVA
	%MW00119	UPS1 Voltage In	x0.1V
	%MW00120	UPS1 Voltage Out	x0.1V
	%MW00121	UPS2 Bypass Frequency	x0.1Hz
	%MW00122	UPS2 Bypass Voltage	x0.1V
	%MW00123	UPS2 Bypass Voltage AB	x0.1V
	%MW00124	UPS2 Bypass Voltage BC	x0.1V
	%MW00125	UPS2 Bypass Voltage CA	x0.1V

	%MW00126	UPS2 Input Frequency	x0.1Hz
	%MW00127	UPS2 Input Voltage	x0.1V
	%MW00128	UPS2 Input Voltage AB	x0.1V
	%MW00129	UPS2 Input Voltage BC	x0.1V
	%MW00130	UPS2 Input Voltage CA	x0.1V
	%MW00131		
	%MW00132	UPS2 Output Voltage AB	x0.1V
	%MW00133	UPS2 Output Voltage BC	x0.1V
	%MW00134	UPS2 Output Voltage CA	x0.1V
	%MW00135	UPS2 DC Voltage PC	x0.1V
	%MW00136	UPS2 DC Voltage CN	x0.1V
	%MW00137		
	%MW00138	UPS2 Output Frequency	x0.1Hz
	%MW00139	UPS2 Output Voltage	x0.1 KW
	%MW00140	UPS2 Power Factor	x0.01
	%MW00141	UPS2 Output Current A	x0.1A
	%MW00142	UPS2 Output Current B	x0.1A
	%MW00143	UPS2 Output Current C	x0.1A
	%MW00144		
	%MW00145	UPS2 Output Current Percentage	x0.1%
	%MW00146	UPS2 Output Current Percentage	x0.1%
	%MW00147	UPS2 Output Current Percentage	x0.1%
	%MW00148		
	%MW00149	UPS2 Output KW	x0.1 KW
	%MW00150	UPS2 Output Power Percentage	x0.1%
	%MW00151	UPS2 DC capacitor voltage	x0.1V
	%MW00152	UPS2 Battery Voltage	x0.1V
	%MW00153	UPS2 Battery Current	x0.1A
	%MW00154	UPS2 Battery Remain Percentag	x0.1%
	%MW00155	UPS2 Battery Runtime min	Minutes
	%MW00156		
	%MW00157	UPS2 Battery Discharge s	Seconds
	%MW00158	UPS2 Battery Discharge min	Minutes
	%MW00159	UPS2 Battery Discharge hr	Hours
	%MW00160	UPS2 Current Fault Count	
	%MW00161	UPS2 KVA Rating	KVA
	%MW00162	UPS2 Voltage In	x0.1V
	%MW00163	UPS2 Voltage Out	x0.1V
	%MW00164	UPS3 Bypass Frequency	x0.1Hz
	%MW00165	UPS3 Bypass Voltage	x0.1V
	%MW00166	UPS3 Bypass Voltage AB	x0.1V
	%MW00167	UPS3 Bypass Voltage BC	x0.1V
	%MW00168	UPS3 Bypass Voltage CA	x0.1V
	%MW00169	UPS3 Input Frequency	x0.1Hz
	%MW00170	UPS3 Input Voltage	x0.1V
	%MW00171	UPS3 Input Voltage AB	x0.1V
	%MW00172	UPS3 Input Voltage BC	x0.1V
	%MW00173	UPS3 Input Voltage CA	x0.1V
	%MW00174		
	%MW00175	UPS3 Output Voltage AB	x0.1V
	%MW00176	UPS3 Output Voltage BC	x0.1V

	%MW00177	UPS3 Output Voltage CA	x0.1V
	%MW00178	UPS3 DC Voltage PC	x0.1V
	%MW00179	UPS3 DC Voltage CN	x0.1V
	%MW00180		
	%MW00181	UPS3 Output Frequency	x0.1Hz
	%MW00182	UPS3 Output Voltage	x0.1 KW
	%MW00183	UPS3 Power Factor	x0.01
	%MW00184	UPS3 Output Current A	x0.1A
	%MW00185	UPS3 Output Current B	x0.1A
	%MW00186	UPS3 Output Current C	x0.1A
	%MW00187		
	%MW00188	UPS3 Output Current Percentage	x0.1%
	%MW00189	UPS3 Output Current Percentage	x0.1%
	%MW00190	UPS3 Output Current Percentage	x0.1%
	%MW00191		
	%MW00192	UPS3 Output KW	x0.1 KW
	%MW00193	UPS3 Output Power Percentage	x0.1%
	%MW00194	UPS3 DC capacitor voltage	x0.1V
	%MW00195	UPS3 Battery Voltage	x0.1V
	%MW00196	UPS3 Battery Current	x0.1A
	%MW00197	UPS3 Battery Remain Percentag	x0.1%
	%MW00198	UPS3 Battery Runtime min	Minutes
	%MW00199		
	%MW00200	UPS3 Battery Discharge s	Seconds
	%MW00201	UPS3 Battery Discharge min	Minutes
	%MW00202	UPS3 Battery Discharge hr	Hours
	%MW00203	UPS3 Current Fault Count	
	%MW00204	UPS3 KVA Rating	KVA
	%MW00205	UPS3 Voltage In	x0.1V
	%MW00206	UPS3 Voltage Out	x0.1V
	%MW00207	UPS4 Bypass Frequency	x0.1Hz
	%MW00208	UPS4 Bypass Voltage	x0.1V
	%MW00209	UPS4 Bypass Voltage AB	x0.1V
	%MW00210	UPS4 Bypass Voltage BC	x0.1V
	%MW00211	UPS4 Bypass Voltage CA	x0.1V
	%MW00212	UPS4 Input Frequency	x0.1Hz
	%MW00213	UPS4 Input Voltage	x0.1V
	%MW00214	UPS4 Input Voltage AB	x0.1V
	%MW00215	UPS4 Input Voltage BC	x0.1V
	%MW00216	UPS4 Input Voltage CA	x0.1V
	%MW00217		
	%MW00218	UPS4 Output Voltage AB	x0.1V
	%MW00219	UPS4 Output Voltage BC	x0.1V
	%MW00220	UPS4 Output Voltage CA	x0.1V
	%MW00221	UPS4 DC Voltage PC	x0.1V
	%MW00222	UPS4 DC Voltage CN	x0.1V
	%MW00223		
	%MW00224	UPS4 Output Frequency	x0.1Hz
	%MW00225	UPS4 Output Voltage	x0.1 KW
	%MW00226	UPS4 Power Factor	x0.01
	%MW00227	UPS4 Output Current A	x0.1A

	%MW00229	UPS4 Output Current C	x0.1A
	%MW00230		
	%MW00231	UPS4 Output Current Percentage	x0.1%
	%MW00232	UPS4 Output Current Percentage	x0.1%
	%MW00233	UPS4 Output Current Percentage	x0.1%
	%MW00234		
	%MW00235	UPS4 Output KW	x0.1 KW
	%MW00236	UPS4 Output Power Percentage	x0.1%
	%MW00237	UPS4 DC capacitor voltage	x0.1V
	%MW00238	UPS4 Battery Voltage	x0.1V
	%MW00239	UPS4 Battery Current	x0.1A
	%MW00240	UPS4 Battery Remain Percentag	x0.1%
	%MW00241	UPS4 Battery Runtime min	Minutes
	%MW00242		
	%MW00243	UPS4 Battery Discharge s	Seconds
	%MW00244	UPS4 Battery Discharge min	Minutes
	%MW00245	UPS4 Battery Discharge hr	Hours
	%MW00246	UPS4 Current Fault Count	
	%MW00247	UPS4 KVA Rating	KVA
	%MW00248	UPS4 Voltage In	x0.1V
	%MW00249	UPS4 Voltage Out	x0.1V
	%MW00250	UPS5 Bypass Frequency	x0.1Hz
	%MW00251	UPS5 Bypass Voltage	x0.1V
	%MW00252	UPS5 Bypass Voltage AB	x0.1V
	%MW00253	UPS5 Bypass Voltage BC	x0.1V
	%MW00254	UPS5 Bypass Voltage CA	x0.1V
	%MW00255	UPS5 Input Frequency	x0.1Hz
	%MW00256	UPS5 Input Voltage	x0.1V
	%MW00257	UPS5 Input Voltage AB	x0.1V
	%MW00258	UPS5 Input Voltage BC	x0.1V
	%MW00259	UPS5 Input Voltage CA	x0.1V
	%MW00260		
	%MW00261	UPS5 Output Voltage AB	x0.1V
	%MW00262	UPS5 Output Voltage BC	x0.1V
	%MW00263	UPS5 Output Voltage CA	x0.1V
	%MW00264	UPS5 DC Voltage PC	x0.1V
	%MW00265	UPS5 DC Voltage CN	x0.1V
	%MW00266		
	%MW00267	UPS5 Output Frequency	x0.1Hz
	%MW00268	UPS5 Output Voltage	x0.1 KW
	%MW00269	UPS5 Power Factor	x0.01
	%MW00270	UPS5 Output Current A	x0.1A
	%MW00271	UPS5 Output Current B	x0.1A
	%MW00272	UPS5 Output Current C	x0.1A
	%MW00273		
	%MW00274	UPS5 Output Current Percentage	x0.1%
	%MW00275	UPS5 Output Current Percentage	x0.1%
	%MW00276	UPS5 Output Current Percentage	x0.1%
	%MW00277		
	%MW00278	UPS5 Output KW	x0.1 KW
	%MW00279	UPS5 Output Power Percentage	x0.1%

	%MW00279	UPS5 Output Power Percentage	x0.1%
	%MW00280	UPS5 DC capacitor voltage	x0.1V
	%MW00281	UPS5 Battery Voltage	x0.1V
	%MW00282	UPS5 Battery Current	x0.1A
	%MW00283	UPS5 Battery Remain Percentag	x0.1%
	%MW00284	UPS5 Battery Runtime min	Minutes
	%MW00285		
	%MW00286	UPS5 Battery Discharge s	Seconds
	%MW00287	UPS5 Battery Discharge min	Minutes
	%MW00288	UPS5 Battery Discharge hr	Hours
	%MW00289	UPS5 Current Fault Count	
	%MW00290	UPS5 KVA Rating	KVA
	%MW00291	UPS5 Voltage In	x0.1V
	%MW00292	UPS5 Voltage Out	x0.1V
	%MW00293	UPS6 Bypass Frequency	x0.1Hz
	%MW00294	UPS6 Bypass Voltage	x0.1V
	%MW00295	UPS6 Bypass Voltage AB	x0.1V
	%MW00296	UPS6 Bypass Voltage BC	x0.1V
	%MW00297	UPS6 Bypass Voltage CA	x0.1V
	%MW00298	UPS6 Input Frequency	x0.1Hz
	%MW00299	UPS6 Input Voltage	x0.1V
	%MW00300	UPS6 Input Voltage AB	x0.1V
	%MW00301	UPS6 Input Voltage BC	x0.1V
	%MW00302	UPS6 Input Voltage CA	x0.1V
	%MW00303		
	%MW00304	UPS6 Output Voltage AB	x0.1V
	%MW00305	UPS6 Output Voltage BC	x0.1V
	%MW00306	UPS6 Output Voltage CA	x0.1V
	%MW00307	UPS6 DC Voltage PC	x0.1V
	%MW00308	UPS6 DC Voltage CN	x0.1V
	%MW00309		
	%MW00310	UPS6 Output Frequency	x0.1Hz
	%MW00311	UPS6 Output Voltage	x0.1 KW
	%MW00312	UPS6 Power Factor	x0.01
	%MW00313	UPS6 Output Current A	x0.1A
	%MW00314	UPS6 Output Current B	x0.1A
	%MW00315	UPS6 Output Current C	x0.1A
	%MW00316		
	%MW00317	UPS6 Output Current Percentage	x0.1%
	%MW00318	UPS6 Output Current Percentage	x0.1%
	%MW00319	UPS6 Output Current Percentage	x0.1%
	%MW00320		
	%MW00321	UPS6 Output KW	x0.1 KW
	%MW00322	UPS6 Output Power Percentage	x0.1%
	%MW00323	UPS6 DC capacitor voltage	x0.1V
	%MW00324	UPS6 Battery Voltage	x0.1V
	%MW00325	UPS6 Battery Current	x0.1A
	%MW00326	UPS6 Battery Remain Percentag	x0.1%
	%MW00327	UPS6 Battery Runtime min	Minutes
	%MW00328		
	%MW00329	UPS6 Battery Discharge s	Seconds

	%MW00330	UPS6 Battery Discharge min	Minutes
	%MW00331	UPS6 Battery Discharge hr	Hours
	%MW00332	UPS6 Current Fault Count	
	%MW00333	UPS6 KVA Rating	KVA
	%MW00334	UPS6 Voltage In	x0.1V
	%MW00335	UPS6 Voltage Out	x0.1V
	%MW00336	UPS7 Bypass Frequency	x0.1Hz
	%MW00337	UPS7 Bypass Voltage	x0.1V
	%MW00338	UPS7 Bypass Voltage AB	x0.1V
	%MW00339	UPS7 Bypass Voltage BC	x0.1V
	%MW00340	UPS7 Bypass Voltage CA	x0.1V
	%MW00341	UPS7 Input Frequency	x0.1Hz
	%MW00342	UPS7 Input Voltage	x0.1V
	%MW00343	UPS7 Input Voltage AB	x0.1V
	%MW00344	UPS7 Input Voltage BC	x0.1V
	%MW00345	UPS7 Input Voltage CA	x0.1V
	%MW00346		
	%MW00347	UPS7 Output Voltage AB	x0.1V
	%MW00348	UPS7 Output Voltage BC	x0.1V
	%MW00349	UPS7 Output Voltage CA	x0.1V
	%MW00350	UPS7 DC Voltage PC	x0.1V
	%MW00351	UPS7 DC Voltage CN	x0.1V
	%MW00352		
	%MW00353	UPS7 Output Frequency	x0.1Hz
	%MW00354	UPS7 Output Voltage	x0.1 KW
	%MW00355	UPS7 Power Factor	x0.01
	%MW00356	UPS7 Output Current A	x0.1A
	%MW00357	UPS7 Output Current B	x0.1A
	%MW00358	UPS7 Output Current C	x0.1A
	%MW00359		
	%MW00360	UPS7 Output Current Percentage	x0.1%
	%MW00361	UPS7 Output Current Percentage	x0.1%
	%MW00362	UPS7 Output Current Percentage	x0.1%
	%MW00363		
	%MW00364	UPS7 Output KW	x0.1 KW
	%MW00365	UPS7 Output Power Percentage	x0.1%
	%MW00366	UPS7 DC capacitor voltage	x0.1V
	%MW00367	UPS7 Battery Voltage	x0.1V
	%MW00368	UPS7 Battery Current	x0.1A
	%MW00369	UPS7 Battery Remain Percentag	x0.1%
	%MW00370	UPS7 Battery Runtime min	Minutes
	%MW00371		
	%MW00372	UPS7 Battery Discharge s	Seconds
	%MW00373	UPS7 Battery Discharge min	Minutes
	%MW00374	UPS7 Battery Discharge hr	Hours
	%MW00375	UPS7 Current Fault Count	
	%MW00376	UPS7 KVA Rating	KVA
	%MW00377	UPS7 Voltage In	x0.1V
	%MW00378	UPS7 Voltage Out	x0.1V
	%MW00379	UPS8 Bypass Frequency	x0.1Hz
	%MW00380	UPS8 Bypass Voltage	x0.1V

	%MW00381	UPS8 Bypass Voltage AB	x0.1V
	%MW00382	UPS8 Bypass Voltage BC	x0.1V
	%MW00383	UPS8 Bypass Voltage CA	x0.1V
	%MW00384	UPS8 Input Frequency	x0.1Hz
	%MW00385	UPS8 Input Voltage	x0.1V
	%MW00386	UPS8 Input Voltage AB	x0.1V
	%MW00387	UPS8 Input Voltage BC	x0.1V
	%MW00388	UPS8 Input Voltage CA	x0.1V
	%MW00389		
	%MW00390	UPS8 Output Voltage AB	x0.1V
	%MW00391	UPS8 Output Voltage BC	x0.1V
	%MW00392	UPS8 Output Voltage CA	x0.1V
	%MW00393	UPS8 DC Voltage PC	x0.1V
	%MW00394	UPS8 DC Voltage CN	x0.1V
	%MW00395		
	%MW00396	UPS8 Output Frequency	x0.1Hz
	%MW00397	UPS8 Output Voltage	x0.1 KW
	%MW00398	UPS8 Power Factor	x0.01
	%MW00399	UPS8 Output Current A	x0.1A
	%MW00400	UPS8 Output Current B	x0.1A
	%MW00401	UPS8 Output Current C	x0.1A
	%MW00402		
	%MW00403	UPS8 Output Current Percentage	x0.1%
	%MW00404	UPS8 Output Current Percentage	x0.1%
	%MW00405	UPS8 Output Current Percentage	x0.1%
	%MW00406		
	%MW00407	UPS8 Output KW	x0.1 KW
	%MW00408	UPS8 Output Power Percentage	x0.1%
	%MW00409	UPS8 DC capacitor voltage	x0.1V
	%MW00410	UPS8 Battery Voltage	x0.1V
	%MW00411	UPS8 Battery Current	x0.1A
	%MW00412	UPS8 Battery Remain Percentage	x0.1%
	%MW00413	UPS8 Battery Runtime min	Minutes
	%MW00414		
	%MW00415	UPS8 Battery Discharge s	Seconds
	%MW00416	UPS8 Battery Discharge min	Minutes
	%MW00417	UPS8 Battery Discharge hr	Hours
	%MW00418	UPS8 Current Fault Count	
	%MW00419	UPS8 KVA Rating	KVA
	%MW00420	UPS8 Voltage In	x0.1V
	%MW00421	UPS8 Voltage Out	x0.1V

Table 7 UPS Register List (Mimic Display)			
Register	Bit	Description	
%MW00070	0	UPS1 Modbus Communication Error	
	1	UPS1 AC Input	
	2	UPS1 CB1 Input Contactor	
	3	UPS1 DC Bus	
	4	UPS1 CB2 Battery Circuit Breaker	
	5	UPS1 Inverter Operation	
	6	UPS1 52C AC Output Contactor	
	7	UPS1 Bypass Input	
	8	UPS1 52S Bypass Output Contactor	
	9	UPS1 AC Output	
	10	UPS1 MultiModule System Synchronization	
	11		
	12		
	13	UPS1 Rectifier Operation	
	14	UPS1 Battery Discharging	
15	UPS1 Fault		
%MW00071	0	UPS2 Modbus Communication Error	
	1	UPS2 AC Input	
	2	UPS2 CB1 Input Contactor	
	3	UPS2 DC Bus	
	4	UPS2 CB2 Battery Circuit Breaker	
	5	UPS2 Inverter Operation	
	6	UPS2 52C AC Output Contactor	
	7	UPS2 Bypass Input	
	8	UPS2 52S Bypass Output Contactor	
	9	UPS2 AC Output	
	10	UPS2 MultiModule System Synchronization	
	11		
	12		
	13	UPS2 Rectifier Operation	
	14	UPS2 Battery Discharging	
15	UPS2 Fault		
%MW00072	0	UPS3 Modbus Communication Error	
	1	UPS3 AC Input	
	2	UPS3 CB1 Input Contactor	
	3	UPS3 DC Bus	

		4	UPS3 CB2 Battery Circuit Breaker
		5	UPS3 Inverter Operation
		6	UPS3 52C AC Output Contactor
		7	UPS3 Bypass Input
		8	UPS3 52S Bypass Output Contactor
		9	UPS3 AC Output
		10	UPS3 MultiModule System Synchronization
		11	
		12	
		13	UPS3 Rectifier Operation
		14	UPS3 Battery Discharging
		15	UPS3 Fault
	%MW00073	0	UPS4 Modbus Communication Error
		1	UPS4 AC Input
		2	UPS4 CB1 Input Contactor
		3	UPS4 DC Bus
		4	UPS4 CB2 Battery Circuit Breaker
		5	UPS4 Inverter Operation
		6	UPS4 52C AC Output Contactor
		7	UPS4 Bypass Input
		8	UPS4 52S Bypass Output Contactor
		9	UPS4 AC Output
		10	UPS4 MultiModule System Synchronization
		11	
		12	
		13	UPS4 Rectifier Operation
		14	UPS4 Battery Discharging
		15	UPS4 Fault
	%MW00074	0	UPS5 Modbus Communication Error
		1	UPS5 AC Input
		2	UPS5 CB1 Input Contactor
		3	UPS5 DC Bus
		4	UPS5 CB2 Battery Circuit Breaker
		5	UPS5 Inverter Operation
		6	UPS5 52C AC Output Contactor
		7	UPS5 Bypass Input
		8	UPS5 52S Bypass Output Contactor
		9	UPS5 AC Output

		10	UPS5 MultiModule System Synchronization
		11	
		12	
		13	UPS5 Rectifier Operation
		14	UPS5 Battery Discharging
		15	UPS5 Fault
	%MW00075	0	UPS6 Modbus Communication Error
		1	UPS6 AC Input
		2	UPS6 CB1 Input Contactor
		3	UPS6 DC Bus
		4	UPS6 CB2 Battery Circuit Breaker
		5	UPS6 Inverter Operation
		6	UPS6 52C AC Output Contactor
		7	UPS6 Bypass Input
		8	UPS6 52S Bypass Output Contactor
		9	UPS6 AC Output
		10	UPS6 MultiModule System Synchronization
		11	
		12	
		13	UPS6 Rectifier Operation
		14	UPS6 Battery Discharging
		15	UPS6 Fault
	%MW00076	0	UPS7 Modbus Communication Error
		1	UPS7 AC Input
		2	UPS7 CB1 Input Contactor
		3	UPS7 DC Bus
		4	UPS7 CB2 Battery Circuit Breaker
		5	UPS7 Inverter Operation
		6	UPS7 52C AC Output Contactor
		7	UPS7 Bypass Input
		8	UPS7 52S Bypass Output Contactor
		9	UPS7 AC Output
		10	UPS7 MultiModule System Synchronization
		11	
		12	
		13	UPS7 Rectifier Operation
		14	UPS7 Battery Discharging
		15	UPS7 Fault
	%MW00077	0	UPS8 Modbus Communication Error

		1	UPS8 AC Input
		2	UPS8 CB1 Input Contactor
		3	UPS8 DC Bus
		4	UPS8 CB2 Battery Circuit Breaker
		5	UPS8 Inverter Operation
		6	UPS8 52C AC Output Contactor
		7	UPS8 Bypass Input
		8	UPS8 52S Bypass Output Contactor
		9	UPS8 AC Output
		10	UPS8 MultiModule System Synchronization
		11	
		12	
		13	UPS8 Rectifier Operation
		14	UPS8 Battery Discharging
		15	UPS8 Fault