

Solectria Commercial MODBUS Alarm Definitions

Register	40016		
Description	Critical Alarms		
Bit	Detailed Alarm Description	AC Power Produced?	Site Visit Recommended?
15	Reserved	-	-
14	Reserved	-	-
13	Reserved	-	-
12	Reserved	-	-
11	Reserved	-	-
10	Reserved	-	-
9	Open Phase Failure	No	Yes
8	VAC Sense Circuit Failure	No	Yes
7	GFDI Failure	No	Yes
6	MOV Failure	No	Yes
5	CT Failure	No	Yes
4	Contactor Failure	No	Yes
3	IGBT Desaturation	No	Yes
2	IGBT Over Temperature	No	Yes
1	Thermal Overshoot	No	Yes
0	Temperature Sensor Failure	No	Yes

Register	40017		
Description	Informative Alarms 1		
Bit	Detailed Alarm Description	AC Power Produced?	Site Visit Recommended?
15	Reserved	-	-
14	Waiting for Grid	No	No
13	AC Frequency High	No	No
12	AC Frequency Low	No	No
11	Fan Life Reached	Yes	Yes
10	Waiting for More DC Power	No	No
9	Waiting for Restart	No	No
8	Power Conversion Derated	Yes	Yes
7	Operation Outside MPPT	Yes	No
6	Low DC Power Condition	No	No
5	AC Critical Voltage High	No	No
4	AC Voltage High	No	No
3	AC Voltage Low	No	No
2	AC Critical Voltage Low	No	No
1	DC Voltage High	No	No
0	DC voltage Low	No	No

Register	40019		
Description	Inverter Status		
Bit	Detailed Alarm Description	AC Power Produced?	Site Visit Recommended?
15	Reserved	-	-
14	Reserved	-	-
13	Reserved	-	-
12	Reserved	-	-
11	Reserved	-	-
10	Reserved	-	-
9	Reserved	-	-
8	Reserved	-	-
7	Reserved	-	-
6	Reserved	-	-
5	Reserved	-	-
4	Reserved	-	-
3	Reserved	-	-
2	Max PF / Phase Angle Reached	Yes	No
1	Max Apparent Power Reached	Yes	No
0	Real Power Remotely Derating	Yes	No

Register	40020		
Description	Informative Alarms 2		
Bit	Detailed Alarm Description	AC Power Produced?	Site Visit Recommended?
15	Reserved	-	-
14	Reserved	-	-
13	Reserved	-	-
12	Reserved	-	-
11	Reserved	-	-
10	Reserved	-	-
9	Reserved	-	-
8	Reserved	-	-
7	Reserved	-	-
6	Reserved	-	-
5	Reserved	-	-
4	Reserved	-	-
3	Reserved	-	-
2	Reserved	-	-
1	Reserved	-	-
0	Reserved	-	-