
Data Logger

SE1000-DTLG-S1

COMMUNICATION



All-in-one Data Logger

- Supports connection to 3rd party loggers for monitoring and control
- Environmental sensors support
- Energy meter reader
- Wireless connections including optional WiFi, Zigbee and Cellular Plug-in
- Type NEMA 3R enclosure for outdoor protection

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POWER SUPPLY			
AC Input Voltage (Nominal)	208 or 277		Vac
AC Input Voltage Range	184 - 305		Vac
AC Frequency (Nominal)	50 / 60 ± 5		Hz
Max AC Input Current	100		mA
ANALOG SENSOR INPUT			
Number of Inputs	3		
	Range	Accuracy	Resolution
Input 1	0-30mV or 0-2V	+/- 1% fs	10 bit
Input 2	0-2V or 0-10V		
Input 3	-20mA – 20mA		
COMMUNICATION INTERFACES			
Ethernet Interface	10/100-BaseT		
Wireless Connections	WiFi or ZigBee modules ⁽¹⁾		
GSM Module Interface	2G/3G GSM ⁽¹⁾		
Power Reduction Interface	4 control pins, 5V, GND		
RS485 Interface	2 ports; May be used for local connection		
SUPPORTED RS485 DEVICES ⁽²⁾			
SolarEdge Devices	Yes		
Meters	Yes		
Export Data to Non-SolarEdge Logger	Yes, SunSpec		
MODBUS RTU for inverter level control			
ENVIRONMENTAL			
Operating Temperatures	-25 to 60 / -4 to 140		°C / °F
Protection Rating	IP65/Type 3R NEMA rating		
INSTALLATION SPECIFICATIONS			
Dimensions (HxWxD)	8.1 x 12.4 x 4.6 / 206.6 x 316 x 117.5		in / mm
Weight	3.9 / 1.8		lb / kg
Conduit Entry Diameters	0.75 / 1		in / mm
Mounting Type	wall/pole mount		
STANDARD COMPLIANCE			
Safety	UL60950-1, IEC-60950-1		
EMC	FCC Part 15 class B, IEC61000-6-2, IEC61000-6-3		

⁽¹⁾ sold separately - see individual product specs for supported locations

⁽²⁾ for supported protocols and devices, see link <https://www.solaredge.com/us/se-supported-devices>

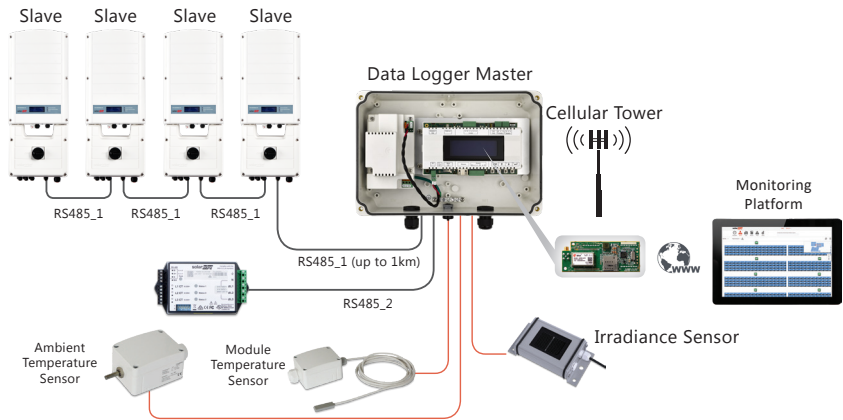
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CONNECTION SCENARIOS

Example 1

Analog Sensors Connection with RGM and cellular connectivity



Example 2

Non-SolarEdge Logger & SolarEdge Monitoring Parallel Connection

