



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 GSM 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 \pm 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% f.s	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	

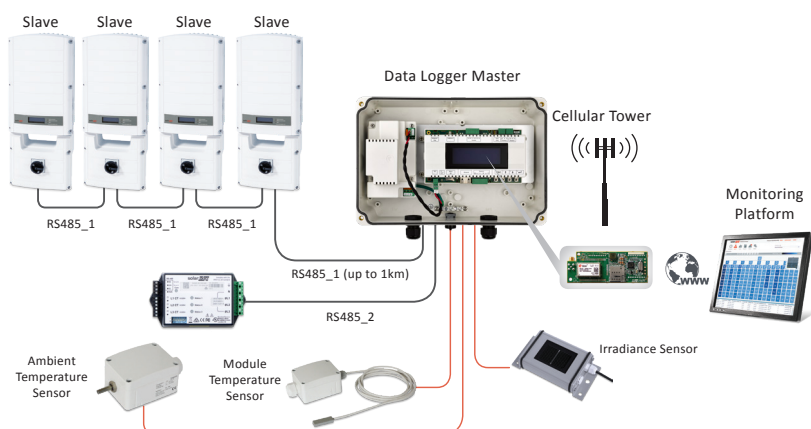
⁽¹⁾ sold separately - see individual product specs for supported locations

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

CONNECTION SCENARIOS

Example 1

Analog Sensors Connection with RGM and cellular connectivity



Example 2

Non-SolarEdge Logger & SolarEdge Monitoring Parallel Connection

