SolarEdge ONE Controller

Residential, for Europe

Model: LCNT

Preliminary Datasheet[1]

SMART ENERGY

Designed to optimize energy management for selected residential third-party integrations

/ Designed to monitor and control energy consumption of select third-party devices*:

  / Integrates with EV chargers and heat pump

  / Maximizes self-consumption by directing excess PV to the devices

  / Reduces energy bills and minimizes carbon footprint

/ Commissioned using the SolarEdge Go app

/ Homeowner control via the mySolarEdge app, enabling:

  / Real-time monitoring

  / Automation

  / System configuration

/ Designed to operate as part of SolarEdge Home ecosystem, offering a growing range of smart energy add-ons to support homeowners growing energy needs

* Specific device integration releases will begin upon product release and continue over time. Check third-party device compatibility and control capabilities per device type here.

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Preliminary Specifications[1]

Part Number	SEM-MNG-WBTE-H0-00	Units
POWER INPUT		
DC Voltage	5	V
Current	3	Amp
Connector	Type C	
EXTERNAL POWER SUPPLY ADAPTOR (INCLUDED)		
Input	100-240VAC, 50/60 Hz 0.4A	
Output	Type C, 5.0VDC, 3.0A, 15.0W Max	
Nominal Power Consumption	1 – 1.5	W
Maximum Power Consumption	7	W
COMMUNICATION – WIFI		
Frequency Band	2412 – 2484	MHz
Bandwidth	20	MHz
Standards	802.11b/g/n	
COMMUNICATION – ETHERNET		
Throughput	10 / 100 / 1000	Mbps
Connector	RJ-45	
THIRD-PARTY PRODUCT CONTROL[2]		
Number of Controlled Devices[3]	1 EV charger 1 heat pump	
Heat Pump Control Protocol	EEBUS	
EV Charger Control Protocol	OCPP 1.6	
CONFIGURATION		
Commissioning	SolarEdge Go mobile app	
Homeowner Control	mySolarEdge mobile app	
STANDARD COMPLIANCE		
Safety	EN 62368-1	
EMC	EN 55032, Class B; EN 55035; EN 61000-3-2; EN 61000-3-3; EN 301 489-1, Class B; EN 301 489-3; EN 301 489-17, Class B	
Radio	EN 300 328; EN 300 220 RF Exposure: EN 62311	
INSTALLATION SPECIFICATIONS		
Dimensions (H x W x D)	100 x 97 x 45	mm
Weight	185	g
Operating Temperature Range	-10 to +50	°C
Storage	-20 to +60	°C
Relative Humidity (non-condensing)	0% to 90% up to 40°C decreasing linearity to 50% RH at 55°C	%
Protection Rating	IP20 – Suitable for indoor use	
Mounting Type	Surface / Wall mount	
ADDITIONAL INFORMATION		
Warranty	Two-year limited product warranty	

(1) Specifications and information presented in this Preliminary Data Sheet are subject to extended validation and change. This Preliminary Data Sheet specifies features but cannot promise to deliver any specific characteristics. No warranty, implied or explicit, is given regarding delivery, accuracy, fitness, or performance. SolarEdge reserves the right to modify its technical information and product specifications at any time without notice.
(2) Check your third-party device compatibility with the SolarEdge ONE Controller here.
(3) Connection of multiple third-party EV chargers and heat pumps with SolarEdge ONE Controller will be available with a future firmware upgrade.

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Connection Scenario