SolarEdge ONE Controller

Residential, for Europe

Model: LCNT

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 in Europe 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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Part Number	SEM-MNG-WBTE-H0-00 / SEM-MNG-WBTE-H0-UK(1)	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	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) For the UK order part number SEM-MNG-WBTE-H0-UK.
(2) Check your third-party device compatibility with the SolarEdge ONE Controller here.

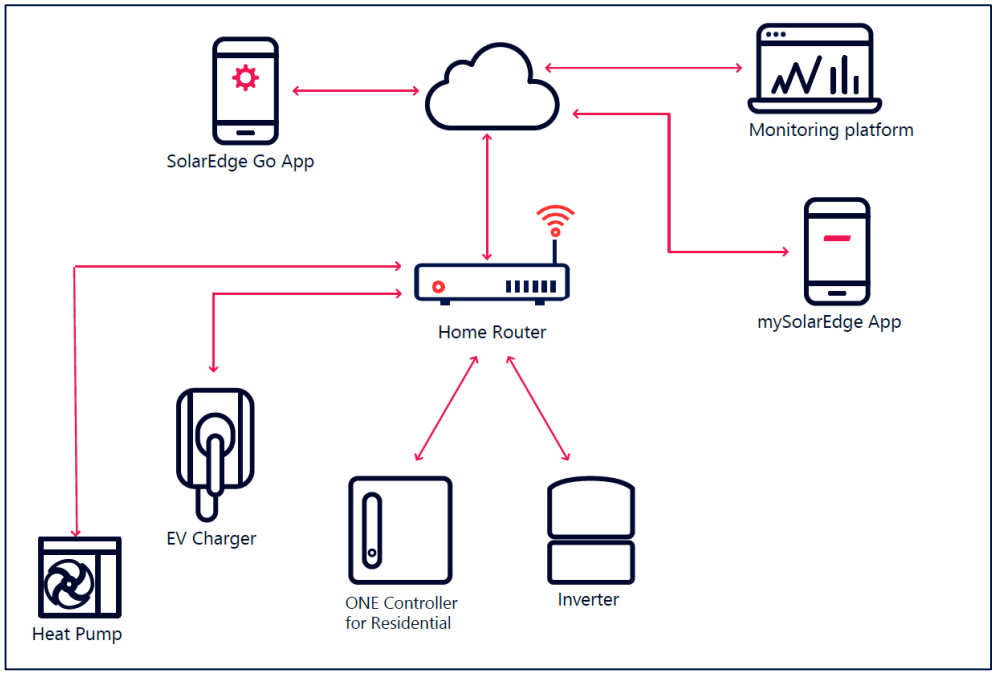
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CE

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Connection Scenario



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