

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 | 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⁽¹⁾ | | |
| 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) Check your third-party device compatibility with the SolarEdge ONE Controller [here](#).

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Connection Scenario

