

# 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 <sup>(1)</sup>  | Units |
|--|---|-------|
| <b>POWER INPUT</b>                               |   |       |
| DC Voltage                                       | 5   | V     |
| Current  | 3   | Amp   |
| Connector  | Type C  |       |
| <b>EXTERNAL POWER SUPPLY ADAPTOR (INCLUDED)</b>  |   |       |
| 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     |
| <b>COMMUNICATION – WIFI</b>                      |   |       |
| Frequency Band                                   | 2412 – 2484   | MHz   |
| Bandwidth  | 20  | MHz   |
| Standards  | 802.11b/g/n   |       |
| <b>COMMUNICATION – ETHERNET</b>                  |   |       |
| Throughput                                       | 10 / 100 / 1000   | Mbps  |
| Connector  | RJ-45   |       |
| <b>THIRD-PARTY PRODUCT CONTROL<sup>(2)</sup></b> |   |       |
| Number of Controlled Devices                     | 1 EV charger<br>1 heat pump   |       |
| Heat Pump Control Protocol                       | EEBUS   |       |
| EV Charger Control Protocol                      | OCPP 1.6  |       |
| <b>CONFIGURATION</b>                             |   |       |
| Commissioning                                    | SolarEdge Go mobile app   |       |
| Homeowner Control                                | mySolarEdge mobile app  |       |
| <b>STANDARD COMPLIANCE</b>                       |   |       |
| 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;<br>EN 301 489-3; EN 301 489-17, Class B |       |
| Radio  | EN 300 328; EN 300 220<br>RF Exposure: EN 62311   |       |
| <b>INSTALLATION SPECIFICATIONS</b>               |   |       |
| 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  |       |
| <b>ADDITIONAL INFORMATION</b>                    |   |       |
| 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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### Connection Scenario

