# SolarEdge Home Smart Switch

Model: SWT

SMART ENERGY




## Optimize energy consumption by controlling appliance usage

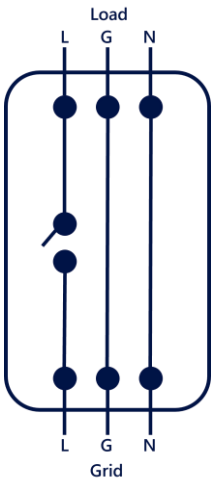
- Controls dedicated permanently connected appliances
- Controls devices for increased backup time
- Increases savings and reduces grid dependency by maximizing solar energy consumption
- Seamlessly integrates into the SolarEdge Home ecosystem with SolarEdge Home Network
- Offers a single source for warranty, support, and training, to streamline logistics and operations
- Measures the energy consumption of the connected appliance
- Includes Type 3 surge protection

# SolarEdge Home Smart Switch

## Model: SWT

| | SEM-SWT-R16-00 | Units |
|---|---|---|
| **POWER** | | |
| AC Input Voltage | 90 – 250 | Vac |
| AC Frequency | 50 / 60 | Hz |
| Switch Current | 16 | A |
| Poles | 1 | |
| Relay Switching Cycles | > 20,000 | |
| Operating Hours | 50,000 | hr |
| Installation Altitude | 2000 / 6562 | m / ft |
| Measurement Accuracy | 3 | % |
| Power Consumption | < 1.5 | W |
| **ENVIRONMENTAL** | | |
| Operating Temperature | -10 to +50 / +14 to +122 | °C / °F |
| Storage Temperature | -20 to +60 / -4 to +140 | °C / °F |
| Relative Humidity (non-condensing) | 0 – 95 | % |
| Ingress Protection | IP30 | |
| **INSTALLATION SPECIFICATIONS** | | |
| Compatible SolarEdge Inverters | Residential inverters with SetApp configuration, including:<br>SolarEdge Home Genesis Inverters (Australia only), SolarEdge Home Hub Inverters,<br>SolarEdge Home Wave Inverters, SolarEdge Short String Inverters,<br>SolarEdge Three Phase Inverters (SE16K and SE17K) | |
| Dimensions L x W x H | 100 x 50 x 35 / 3.93 x 1.96 x 1.37<br>Excluding din-rail adapter | mm / in |
| **COMMUNICATION** | | |
| Supported Communication Protocol | SolarEdge Home Network | |
| Device Configuration | Monitoring platform/app or SetApp; Ethernet connection is required | |
| Operating Frequency Range | 868 – 868.6 (EU)<br>915 – 928 (AUS) | MHz |
| Modulation | O-QPSK (Quadrature phase shift keying) | |
| EIRP with Antenna | 17 | dBm |
| **TEMPERATURE SENSOR** | | |
| Ambient Temperature Sensing Accuracy | ±0.5 | °C |
| **ACCESSORIES** | | |
| Included Mounting Materials | Wood screws, Double-sided tape<br>Rail Mounting: Din-Rail adapter according to IEC/EN 60715 | |
| **STANDARD COMPIANCE** | | |
| Applicable Safety Standards | IEC 60730-1:2013+AMD1:2015+AMD2:2020 CSV; UL 916:2021 Ed.5;<br>UL 60730-1:2016 Ed.5; CSA E60730-1:2015 Ed.5 | |
| EMC Standards | IEC/UL/EN 60730-1; EN 301 489-1; EN 301 489-3; EN 61000-3-2;<br>EN 61000-3-3; FCC Part 15, Class B | |
| Radio Standards | EN 300 220; FCC 15.247C | |
| Certification Mark | CE, ETL | |

## CONNECTION DIAGRAM




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