

# Meraki Solar

## Specifications



The Meraki Solar enables you to provide wireless coverage over large outdoor areas quickly, easily, and without the expense associated with running power cables. Like all Meraki products, the Solar features Meraki's award-winning mesh routing technology. It is also integrated with Meraki Dashboard, enabling you to monitor and configure your solar unit remotely. Each unit is completely self-contained and ready to mount on roofs, poles, or anywhere else the sun shines. The system is designed to provide 24x7 uptime in most locations worldwide. The Solar is completely energy independent and runs on it's own state-of-the-art solar- charged battery.

### ➤ Radio

- 200 mW (23 dBm) peak transmission power\*
- Enhanced receive sensitivity
- External RP - SMA connector
- 802.11 b/g (1 - 54 Mbps)
- 2 dBi omni-directional antenna included

### ➤ Typical Coverage Area

- Outdoors with stock 2 dBi antenna:  
500 - 1,000 ft (150 - 350 m)
- Outdoors with high-gain antennas: 0.5 - 5 mi (1 - 8 km)

### ➤ Power

- Power consumption: 7 W max; 2 W typical
- Max power input 20 V DC/4 A from solar panel
- Integrated battery and charge controller
- Solar panel sold separately. Choose from Meraki's 20 W or 40 W panel, depending on your geographical location

### ➤ Physical and Environment

- 12.2" x 6.2" x 3.6" (312 mm x 158 mm x 92 mm)
- Weight: 6.3 lb (2.9 kg)
- Operating temperature: 14° F – 122° F (-10° C – 50° C)\*\*
- IP-65 environmental rating

### ➤ Interfaces / Ports

- Signal strength and power LEDs
- External power switch
- 2-pin circular power connector
- Note: No external Ethernet ports; Meraki Solar is not designed to be a gateway
- Warranty  
• 1 year hardware warranty included

### ➤ Mounting

- Attaches to walls and vertical poles with diameter 2.0 - 4.5" (5.1 - 11 cm)
- Mounting hardware for 2.5" (6.4 cm) vertical poles included

### ➤ Regulatory

- FCC (USA)
- CE (EU)
- IC (Canada)
- C-Tick (Australia & New Zealand)

### ➤ Ordering Information

The Meraki Solar requires a solar panel and solar panel mount kit, sold separately. Choose one model from each of the following categories:

#### Solar Panels

SOL-P20W	Meraki 20 W Solar Panel
SOL-P40W	Meraki 40 W Solar Panel

#### Solar Panel Mount Kits

SOL-P20 W-PMT	Meraki 20 W Solar Panel Mount Kit for Poles
SOL-P40 W-PMT	Meraki 40 W Solar Panel Mount Kit for Poles
SOL-PAN-WMT	Meraki Solar Panel Mount Kit for Walls and Roofs (All Size Panels)

\* Max transmission power is decreased for certain geographies to comply with regulatory requirements

\*\* Recommended operating temperature for 24 hr uptime: 32° F – 122° F (0° C – 50° C).