

**HYDRA**

## SOLAR WATER HEATING

### 100 % Solar Electric

Hydra is an innovative system that uses standard solar photovoltaic panels to heat water with standard electric heaters, and requires no grid or batteries.



### Zero Maintenance

Hydra does not need any thermal liquids, insulation, pipes, valves, or pumps. Installation is simple and the system needs no maintenance at all.

### Safety Built-In

Hydra contains an internal 30 mA RCD for maximum electrical protection. Temperature is controlled by a digital sensor and a thermal safety switch.



### Smart Features

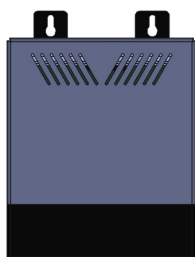
Hydra includes a remote touch-screen display, Wi-Fi and LAN connectivity, and an optional mobile app for remote control and monitoring.

A secondary heater can be automatically or manually controlled by the internal relay.

## Specifications

Maximum PV Power	2,200 Watts
PV Voltage Range	80 - 220 VDC
Max PV Input Current	15 A
Heater Output	50 Hz AC, 80 - 230 V
Heater Element	Standard 750 - 3000 W
Temperature Control	Digital Sensor, Thermal Switch
Secondary Heater	Built-in 16 A Relay
Electrical Safety	Built-in 30 mA RCD, Auto Test
User Interface	2.4" External Touch Screen
Cloud Connectivity	2.4 GHz WiFi, RJ45 Ethernet

## Components

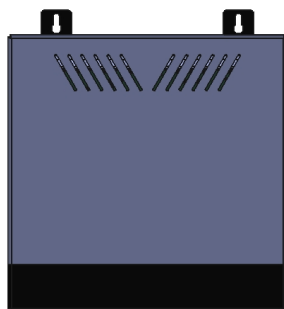


Solar Power Unit

260 x 193 x 73 mm  
2 kg

Connects to the solar panels in series  
(up to 220 Volts Vmp).

Uses Maximum Power Point Tracking  
(MPPT) for optimal performance.



Heater Controller Unit

345 x 311 x 98 mm  
2 kg

Converts power from the Solar  
Power Unit to AC for the heater.

Contains inverter, safety system,  
relays, WiFi and Ethernet.



Display Unit

86 x 86 mm  
120 g

The touch screen shows water  
temperature, power, and other data.

Display unit can be installed up to 50  
meters from the Heater Controller.

Distributor:

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