

# PV Smart Charger (MPPT)



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**Features:**

- Advance microprocessor control.
- Maximum power point tracking (MPPT) : High operational efficiency up to 20~30% extra from solar array.
- Hybrid charger for li-ion battery : Auto adjustment of DC to battery and inverter.
- Reverse polarities protection of PV and battery.
- Battery overcharge and over discharge protection.
- Surge voltage protection.
- Ergonomic design : Can be integrated with PV module.
- IP65 Protection.

**Specifications**

HSC 30048	
PV Panel DC Input	
MPPT voltage range	18~45V
Max. DC input voltage	60V
Max. input current	10A
Charging DC Ouput	
Max. charge voltage	56.8 V
Max. output current (typ.)	6.25A
Battery type	Li-ion
Environment	
Working temp.	-40 ~ +85°C
Working humidity	20 ~ 90% RH Non-condensing
Storage temp., humidity	-40 ~ +85°C , 10 ~ 95% RH
Protection	
Over Voltage	Shut down operating voltage, re-start to recover
Over Temperature	Automatically derate charge current to zero
Reverse Polarity	Yes
Short Circuit	Yes
Mechanism	
Dimension (W x H x D) in mm	200 x 140 x 35
Weight	1.6 kg

• Specifications are subject to change without notice.