

PWM Solar Charge Controller

HP2410/HP2420/HP2420S/HP2430/HP2440/HP2450/HP2460



Performance characteristics

- Full-range electronic protection functions.
- Built-in temperature detection.
- 12/24V identification
- Lead-acid batteries/lithium batteries.
- LCD display.
- HP2410/20/30/40 USB 5V 1A output.

Parameters

Model	HP2410	HP2420	HP2420S	HP2430	HP2440	HP2450	HP2460
System voltage	12V/24V						
Static power consumption	0.06~0.36W						
Battery voltage	9~35V						
Maximum input voltage of solar energy (25°C)	55V						
Rated charging current	10A	20A	20A (current sampling)	30A	40A	50A	60A
Temperature compensation coefficient	-3mV/°C/2V(default)						
Operating temperature range	-25°C-55°C						
Humidity	95% , no condensation						
Protection grade	IP30						
Weight	100g	160g	160g	390g	390g	650g	650g
Product dimensions	103x71x36(mm)	130x75x38(mm)	130x75x38(mm)	160x104x47(mm)	160x104x47(mm)	189x127x54 (mm)	189x127x54 (mm)
Terminal blocks	4mm ² /10AWG						
Max input power of photovoltaic system	12V/150W 24V/300W	12V/300W 24V/600W	12V/300W 24V/600W	12V/450W 24V/900W	12V/600W 24V/1200W	12V/750W 24V/1500W	12V/900W 24V/1800W

PWM Solar Charge Controller

HP4830/HP4840



Performance characteristics

- Full-range electronic protection functions.
- Built-in temperature detection.
- 12/24V identification
- Lead-acid batteries/lithium batteries.
- LCD display.

Parameters

Model	HP4830	HP4840
System voltage	12V/24V/36V/48V Auto	
Static power consumption	1.44W	
Battery voltage	9-68V	
Maximum input voltage of solar energy (25°C)	<110V	
Rated charging current	30A	40A
Temperature compensation coefficient	-3mV/°C/2V	
Operating temperature range	-25°C-55°C	
Humidity	95% , no condensation	
Protection grade	IP30	
Weight	650g	
Product dimensions	189x127x54 (mm)	
Terminal blocks	20mm ² /4AWG	
Max input power of photovoltaic system	12V/450W ; 24V/900W 36V/1350W ; 48V/1800W	12V/600W ; 24V/1200W 36V/1800W ; 48V/2400W