

# 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 <sup>2</sup> /10AWG			10mm <sup>2</sup> /8AWG			
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