

# HP-W

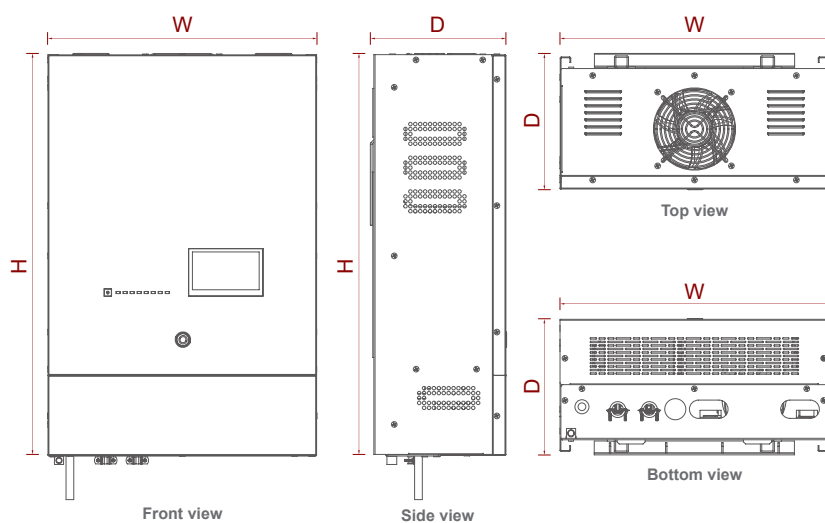
## Low Frequency Pure Sine Wave Inverter Charger



### • Features

- Built-in EMS, achieves high efficient utilization of power energy between the grid and battery.
- IP20 protection.
- Ultra low THD, typically 7% under full linear load (battery low).
- Battery temperature sensing for increased charging precision.
- Powerful charge rate up to 120 Amp, selectable from 0%-100%.
- Auto Gen Start function for off grid system with generator as backup power.
- PF1.0, high efficiency, lower consumption.

### • Product Dimensions



Model	Size(W*D*H)
HP-W 3-6KW	383*188*572mm
HP-W 12KW	/

## • Technical Parameter

HP-W Series Low Frequency Pure Sine Wave Inverter Charger						
Model		3048	3048E	6048	6048E	12048E
Inverter mode	Battery Rated Voltage	48Vdc				
	Battery Voltage Range	40-58Vdc				
	Rated Output Power	3000W	3000W	6000W	6000W	12000w
	Inverter Mode Efficiency	88% (Peak)				
	Rated Output Voltage	120Vac	230Vac	120Vac	230Vac	230Vac
	Rated Output Frequency	50/60Hz				
	Overload Capacity	(110%<load<125%) ±10%: protection after 15 minutes; (125%<load<150%) ±10%: protection after 60s; (load>150%) ±10%: protection after 20s				
Line mode	Charging Voltage Range	52-59Vdc (0-9 levels adjustable)				
	Max. Charging Current	30A	30A	60A	60A	120A
	Mains Input Voltage	120Vac	230Vac	120Vac	230Vac	230Vac
	Input Voltage Range	80/90-140Vac, 140/184-254Vac				
	Rated AC Frequency	50/60Hz				
	Frequency Range	47-5, 57-65/40-70Hz				
System specifications	Cooling Method	Forced air cooling				
	Noise	≤75dB				
	Temperature Range	-20°C ~ 40°C				
	Protection Level	IP20				
	Humidity Range	0-95% (No condensation)				
	Dimensions(W*D*H)	383*188*572(mm)				/
Others	Max. Efficiency	88%				
	Wiring Method	Single phase/ Dual phase three-wire				
	Isolation Method	Built-in transformer isolation				
	Protection Function	AC Over/Under Voltage, Over Temperature, Frequency Abnormal, Over Current, Fan Failure, Battery Over/Under Voltage, Battery Over Temperature				
	Display	LED+LCD+APP				
	Communication Interface	RS485(MPPT), CAN(BAT)				