

## PURE SINE WAVE INVERTER



### General Description

Pure sine wave inverter is the latest model, developed on the base of our previous PSW 7 series, the HC charger has achieved significant improvements on battery charging, AC transfer, etc. By adopting DIP(dual in-line package) switch, and provides more smart options for users to customize the performance of the device.

### Features

1. High overload ability, up to 300% rated power(20 sec.).
2. Adopts low quiescent current, and power saver mode to reduce power consumption.
3. Uses PFC(power factor correction) for charger, less power consumption .
4. It has 15s delay before transfer when it resumes, and overload protection when inverter equips with generator.
5. 10ms typical transfer time between battery and AC, which guarantees power continuity of HC charger.
6. Allows start up and through power with depleted batteries.charge rate up to 90Amp.
7. It can offer 3-step intelligent battery charging, and equipped with 8 preset battery type selector for totally flat batteries.
8. LCD status display, battery/AC priority switch, USB communication port.
9. Auto voltage rugulation optional(HS) .

Parameter									
	Model (HC)	1000W	1500W	2000W	3000W	4000W	5000W	6000W	
Inverter Output	Continuous Output Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W	
	Surge Rating(20s)	3000W	4500W	6000W	9000W	12000W	15000W	18000W	
	Capable of Starting Electric Motor	1HP	1.5HP	2HP	3HP	4HP	5HP	6HP	
	Output Waveform	Pure Sine wave/Same as input(Bypass mode)							
	Nominal Efficiency	>88%(Peak)							
	Line Mode Efficiency	>95%							
	Power Factor	0.9-1.0							
	Nominal Output Voltage	100-110-120Vac / 220-230-240Vac							
	THD	< 10%							
DC Input	Nominal Input Voltage	12.0Vdc 24Vdc, 48Vdc							
	Minimum Start Voltage	10.0Vdc							
	Idle Consumption-Search Mode	< 25 W when Power Saver On							
Charge	Input Voltage Range	Wide: 90~135VAC / 164~243VAC; Narrow: 100~135VAC / 194~243VAC;							
	Output Voltage	Depends on battery type							
	Max Charge Rate	35A / 70-90A Max (Charger Current Control)							
	Remote Control	Yes. Optional							
Bypass & Protection	Input Voltage Waveform	Sine wave (Grid or Generator)							
	Nominal Voltage	120Vac				230Vac			
	Low Voltage Trip	80V/90V±4%				184V/154V±4%			
	High Voltage Trip	140V±4%				253V±4%			
	Max Input AC Voltage	150VAC				270VAC			
	Nominal Input Frequency	50Hz or 60Hz (Auto detect)							
Mechanical Specification	Mounting	Wall mount							
	Inverter Dimensions(L*W*H)	382*218*179mm		442*218*179mm		598*218*179mm			
	Inverter Weight	16KG	17KG	20KG	24KG	35KG	45KG	45KG	
	Shipping Dimensions(L*W*H)	520*315*300mm		580*315*300mm		740*315*300mm			
	Shipping Weight	18KG	19KG	22KG	26KG	37KG	47KG	47KG	
	Display	Status LEDs / Status LEDs+LCD							