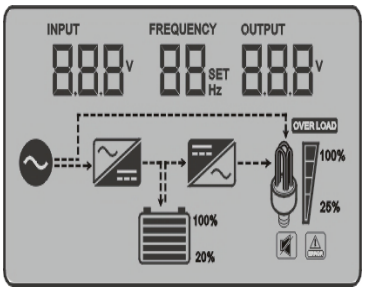
Key Features



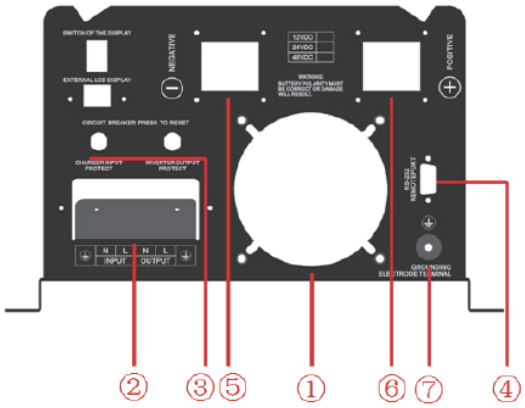
- Low Frequency Power Inverter with charger GPSW-II 1-6KW
- 2 in 1 Off Grid hybrid design , Inverter + Power Charger.
- Selectable Grid power priority, Solar Power priority or power Saver Modes
- Use as backup HOME UPS or Off grid solar inverter
- Low frequency toroidal transfomer, Pure sine wave with AVR
- LCD display, Smart setup and simple operation by LCD
- Automatic Transfer Time less than 10ms
- Max 30A Adjustable Charge Current , selectable battery type
- Auto transfer time 10 Ms, UPS design
- Comprehensive protection for overload,short-circuit,Battery Low and else
- Smart fan and Alarm
- Rs232 / SNMP communication optional

Technical Specifications

ITEM	Model	GPSW-II-1KW	GPSW-II-1.5KW	GPSW-II-2KW	GPSW-II-3KW	GPSW-II-4KW	GPSW-II-5KW	GPSW-II-6KW
Rated power		1000W	1500W	2000W	3000W	4000W	5000W	6000W
Efficiency		>95% under AC mode,>88% under DC mode, Toroidal transfromer						
Battery and Charger	Rated voltage	12/24 /48VDC			24/48VDC		24/48VDC	48/96VDC
	Charge current	30A（default), C0-C6 adjustable by LCD Monitor						
	Battery type	U0-U7 selectable by LCD Monitor						
Input	Voltage range	85-138VAC/170-275VAC						170-275VAC
	Frequency	45-65Hz						
Output	Voltage range	110VAC/220VAC;±5%(Bat mode)，110VAC/220VAC;±15%(Line mode)						±5%(Bat mode)/220VAC
	Frequency	50/60Hz±1%(bat mode)						
	wave form	Pure sine wave						
	Transfer Time	less than 10 ms (typical)						
	Overload	110-120%/30S; ＞160%/300ms						
	Power Factor	0.9~1.0						
	Protection	Battery overvoltage/lowvoltage, overload, short circuit protection, oevertemperature protection, etc.						
Working mode	Grid priority	UPS Mode, Grid power priority, Battery power (Solar Power) as backup						
	Battery priority	Solar inverter Mode, battery Power priority, Grid power as Backup						
	Power Saver mode	Load > 5% continous output, < 5% no output and detect load per 10MS						
	Mode select	setup by the LCD Monitor						
LCD Display		Working Mode, input and output VAC,HZ, BAT % , Load %, setup working mode ,battery type ,Buzzing icon,Fault						
Optional		RS232 Communication,SNMP Net Agent,Remote Control OPTION						
Operating ambient temperature		0-40℃						
Storage ambient temperature		-15 - +50℃						
Operating/Storage ambient		0-90% No condensation						
Product Size: L*W*H (mm)		486*247*179				555*307*189		
Package size: L*W*H(mm)		550*310*230				640*370*240		
Net/Gross weight(KG)		13/15KG	15KG/17KG	17/19KG	22/24KG	27/29KG	31/33KG	33/35KG
ATTENTION		the inverter do not build in solar charger controller						



LCD Display



①-- Fan
②-- AC input/output termianl
③-- AC input/output fuse holder
④--RS232 communication interface (optional function)
⑤--Battery terminal negative input terminal
⑥-- Battery terminal positive terminal
⑦-- Earth terminal