



V-Sol Hybrid Solar Inverter

Hybrid Solar Inverter



Product feature:

- ◆ Wide V input range (120Vdc -500Vdc), with MPPT controller.
- ◇ Solar Power and C Power available, working without batteries in sunny day.
- ◆ Programmable supply priority for PV, battery or Grid.
- ◇ Compatible with lithium and gel batteries.
- ◆ A WiFi module can be added to detect the usage of the machine .



BST-HP-1500W



BST-HP-3500W/5500W



BST-HP-10000W

Model		VSOL-HSI-1500W	VSOL-HSI-3500W	VSOL-HSI-5500W	BST-HP-10000W
Rated power		1500VA/1500W	3500VA/3500W	5500VA/5500W	10000VA/10000W
Input	Voltage	230VAC			
	Selectable voltage range	170-280VAC(for personal computers) 90-280VAC(for home appliances) 10000W: 185-264VAC(for personal computers) 154-264VAC(for home appliances)			
	Frequency range	50Hz/60Hz (Auto sensing)			
Output	AC voltage regulation (battery mode)	230VAC±5%			
	Surge power	3000W	7000W	11000W	20000W
	Efficiency (Peak)PV to INV	97%			
	Efficiency (Peak)BAT to INV	94%			
	Transfer time	10ms (for personal computers) 20ms (for home appliances)			
	Wave form	Pure sine wave			
Battery & AC charge	Battery voltage	12VDC	24VDC	48VDC	
	Maximum charge current	60A	80A		80A+80A
Solar charge	MAX.PV array power	2000W	5000W	6000W	5500W+5500W
	MPPT range@ operating voltage	90-430VDC	120-500VDC		
	Maximum PV array open circuit voltage	450VDC	500VDC		
	Maximum charging current	80A	110A		80A+80A
	Maximum efficiency	98%			
Physical	Dimension: D*W*H (mm)	348*270*95	472*297*129		533*621*142
	Net weight (kg)	4	13	14	19.8
	Communication interface	RS232(Standard) GPRS/WIFI (Optional)	RS485/RS232 (Standard) LCD remote/ WIFI (Optional)		RS232/USB/ WIFI (Optional)
Operating environment	Humidity	5% to 95% relative humidity (Non-condensing)			
	Operating temperature	0°C to 55°C			
	Storage temperature	-15°C to 60°C			



Model		VSOL-HSI-20KW-P	VSOL-HSI-30KW-P
Rated power		20KW	30KW
Input	Voltage	220/230VAC	
	Selectable voltage range	175-275VAC	
	Frequency range	50Hz/60Hz (Auto sensing)	
Output	AC voltage regulation (battery mode)	220/230VAC±10%	
	Surge power	60KW	90KW
	Efficiency BAT to INV	85%	
	Transfer time	10ms	
	Wave form	Pure sine wave	
Battery & AC charge	Battery voltage	192VDC/240VDC	240VDC
	Maximum charge current	30A	
Physical	Dimension: D*W*H (mm)	740*400*920	
	Net weight (kg)	133	169
	Communication interface	RS485/RS232 (Optional)	
Operating environment	Humidity	5% to 95% relative humidity (Non-condensing)	
	Operating temperature	0°C to 40°C	
	Storage temperature	-15°C to 45°C	



Model		VSOL-HSI-10KW-PS	VSOL-HSI-20KW-PS	VSOL-HSI-30KW-PS
Rated power		10KW	20KW	30KW
Input	Voltage	380VAC		
	Selectable voltage range	380VAC±20%		
	Frequency range	45-55Hz		
Output	AC voltage regulation (battery mode)	380VAC±3%		
	Surge power	30KW	60KW	90KW
	Efficiency BAT to INV	85%		
	Transfer time	10ms		
	Wave form	Pure sine wave		
Battery & AC charge	Battery voltage	192VDC/220VDC/360VDC/384VDC		
	Maximum charge current	30A		
Solar charge	MAX.PV array power	19.2KW (192V system)		
	MPPT range@ operating voltage	260-400V (192V system)		
	Maximum PV array open circuit voltage	450V (192V system)		
	Maximum charging current	100A (192V system)		
Physical	Dimension: D*W*H (mm)	720*460*1180		730*570*1150
	Net weight (kg)	180	240	330
	Communication interface	RS485/RS232 (Optional)		
Operating environment	Humidity	5% to 95% relative humidity (Non-condensing)		
	Operating temperature	0° C to 40°C		
	Storage temperature	-15° C to 45°C		



Contact Us



www.vsol-controls.com

info@vsol-controls.com

Made in Hungary