

VPS-SF Series

Off Grid Solar Inverter with MPPT Charge Controller

1-10KW

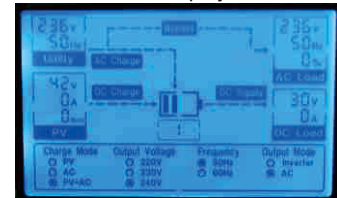


Features:

- Rated power 1KVA to 10KVA
- Pure sine wave output
- Selectable charging current based on applications.
- Built-in MPPT solar charge controller, Max MPPT Efficiency >99%
- Fundamental frequency designed
- Built-in transformer
- Off grid inverter with solar charge controller, utility battery charger and utility grid back up
- Smart LCD setting(Working modes, Charge Current, Charge Voltage, etc.)
- Remote control
- Utility grid or solar output priority optional
- Compatible to generator
- Battery type can choose in front panel for the most suitable charging mode



LCD Display

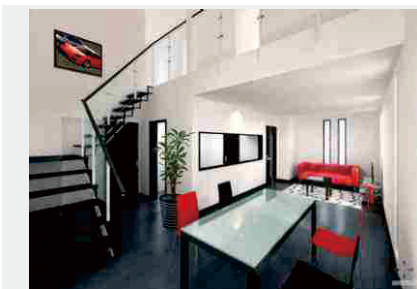


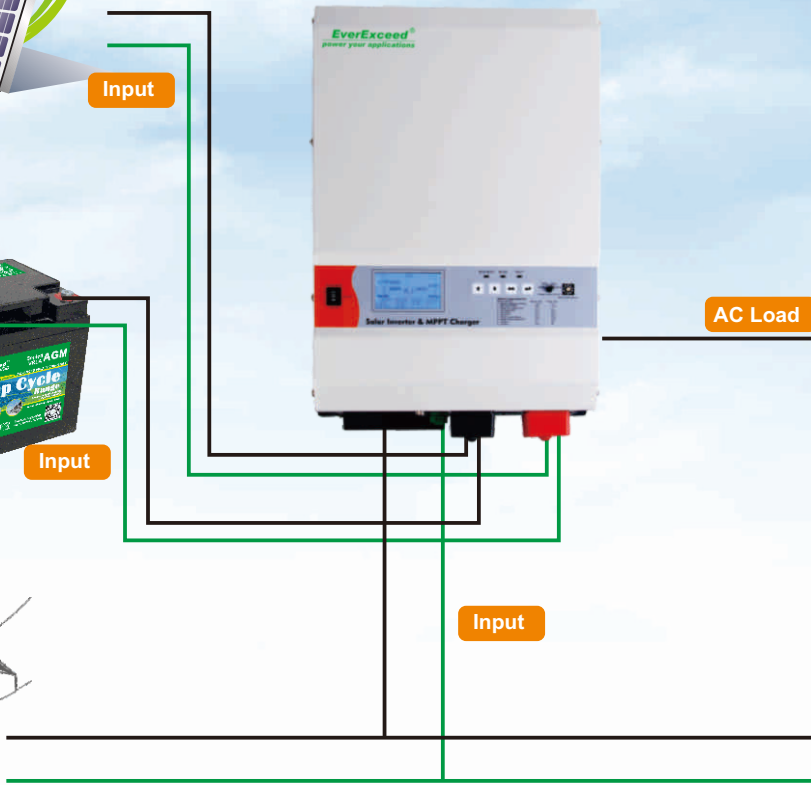
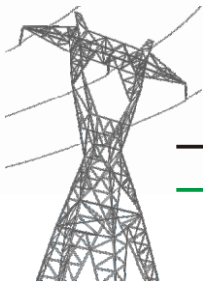
Introduction:

This is a multi-function inverter, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

Perfect Protection Function:

- Over-discharge protection
- Over load protection
- Short circuit protection
- Over-temperature protection
- Thunder striking protection
- Restrain surge interference
- Eliminate noise





Built-in Transformer

Built-in MPPT

Wall Mounted



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MODEL	VPS-SF-1K	VPS-SF-2K	VPS-SF-3K	VPS-SF-4K	VPS-SF-5K	VPS-SF-6K	VPS-SF-8K	VPS-SF-10K
	1KW	2KW	3KW	4KW	5KW	6KW	8KW	10KW
Input Wave form	Pure sine wave (utility or generator)							
Nominal Voltage	230 VAC (120 VAC optional)							
Low voltage trip	90v ±4% & 184v/154v ±4%							
Low voltage reengage	100v ±4% & 194v/164v ±4%							
High voltage trip	140v ±4% & 253v ±4%							
High voltage reengage	135v ±4% & 243v ±4%							
Nominal input fequency	50 Hz/60 Hz							
Fequency Range	47 Hz~65 Hz							
Output Wave form	same as input (Bypass mode)							
Over-Load Protection	Circuit breaker							
Short circuit Protection	Circuit breaker							
Efficiency on line transfer mode	>95%							
Line transfer time	10ms Typical							
Bypass without battery connected	Yes							
Inverter Output								
Output Wave form	Pure sine wave							
Output continuous power	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10000W
Surge ratings	3000W	6000W	9000W	12000W	15000W	18000W	24000W	30000W
Power factor	0.9~1.0							
Nominal Output Voltage rms	230 VAC (120 VAC optional)							
Output Voltage regulatian	+/-10%rms							
Output frequency	50Hz±0.3Hz or 60Hz±0.3Hz							
Short circuit Protection	Yes, fault after 1 secs							
Battery Input								
Nominal input voltage	24V		48V			96V		
Minimum start voltage	20V		40V			80V		
Low battery alarm	21V		42V			84V		
Low battery trip	20V		40V			80V		
High voltage alarm	32V		64V			128V		
AC Charger								
Output Voltage	Dependent on battery type							
Charge Current	10-85A MAX (Adjustable)						35A MAX	45A MAX
Battery initial voltage for satrt up	0V - 31.4V			0V - 62.8V			0V - 125.6V	
Over charge protection	31.4V			62.8V			125.6V	
Solar Charge Controller								
MPPT Range@Opearing Voltage	25VDC~150VDC			60VDC~150VDC			100VDC~300VDC	
Maximum PV Array Open Circuit Voltage	150VDC						300VDC	
Maximum Charging Current	40A	60A						
Maximum Efficiency	>96%							
Standby Power Consumption	<2W							

STANDARD: Conform to GB/IEC regulation : EMC:GB7260.2/IEC62040-2 GB/17626.2 ~5/IEC61000-4-2 ~5 SAFETY:GB4943

Note: Product specifications are subject to change without further notice.