



Smart Inverter VS Sseries

Features:

Pure sine wave output
 Powerful Charge Rate Up to 90AMP
 Optional PWM solar charge controller 30A
 DC Start & Automatic Self-Diagnostic Function
 High Efficiency Design & "Power Saving Mode" to Conserve Energy
 Auto restart when Ac in recovering
 Smart battery charger design for optimized battery performance
 Selectable charging current based on applications
 AC input/DC input/Solar input optional priority
 Built-in Transformer
 Wall-Mounted



Model	VS0812	VS1212/24	VS1624/48	VS2424/48	VS3024/48	VS4024/48
Input Voltage(DC)	12V	12月24日	24/48	24/48	24/48	24/48
Nominal Voltage	110VAC (Standard)					
Voltage Range	77-135VAC					
Frequency	50/60Hz±5%					
Rated Power	800W	1200W	1600W	2400W	3000W	4000W
Output Voltage(AC)	110VAC±10% (With AVR function)					
Output Frequency (AC)	The output voltage frequency under AC is the same as the input frequency					
Output Voltage(DC)	110VAC±3%					
Output Frequency (DC)	50/60Hz±1%					
Waveform	Pure Sine Wave					
Battery Type	AGM-Deep Cycle,GEL,LifePo4,up to 500Ah					
Battery voltage	12VDC	12/24VDC	24VDC/48VDC			
Battery Charging Voltage	13.7VDC	13.75/27VDC	27.4VDC/54.8VDC			
Maximum pv array power	12V: 400W/900W 24V: 800W /1600W		24V: 1600W 48V: 3200W			
PV Input Voltage Range (PWM/MTTPController)	24V: MPPT 30V-150VDC 48V: MPPT 60V-150VDC		24V: MPPT 30V-150VDC 48V: MPPT 60V-150VDC			
Maximum photovoltaic display open circuit voltage	24V: MPPT 150VDC 48V: MPPT 150VDC		24V: MPPT 150VDC 48V: MPPT 150VDC			
Maximum solar charging current	60A		80A			
Maximum AC charging current	20A/10A	30A/15A	35A/18A	30A/15A	35A/18A	40A/20A
Battery charging voltage range	77-135VAC ± 5V					
Transfer Time	≤10ms (UPS) /≤20ms (INV)					
Load peak ratio	(MAX)3:1					
Protections	Inverter: overload protection, short circuit protection, low voltage protection, (can be with the battery anti-back plate)					
Communication Function	RS232, RS485 and BMS communication, with generator start dry contact					
LCD indicator status	AC input voltage, AC input frequency, PV voltage, PV current , Output Voltage, Output Frequency, Battery voltage, Load					
Status Display	Dot matrix screen plus LED display / segment code screen + LED display					
	View parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, and load current through the page turning key.					
	LED display mains power, charging status, inverter status, fault status					
Working temperature	0-40℃					
Storage temperature	—15℃~45℃					
Relative humidity	—10℃~90℃ Non condensing					
Accoustic Noise(db)	>45dB					
Dimension (L*W*H)mm	325*263*123MM		465*310*135MM			
Packaging Dimension (L*W*H)mm	378*317*200MM		565*383*188MM			