



# ENERGY STORAGE INVERTER

VS SERIES

## ENERGY STORAGE INVERTER VS 500VA~2000VA



### FEATURES

- Pure sine wave output
- DC Start & Automatic Self-Diagnostic Function
- Automatically send signal to start generator
- High efficiency design for optimized battery performance
- Selectable charging current based on applications
- lead acid battery/Lithium battery
- AC start-up voltage auto restart voltage

### APPLICATION



Courtyard Lighting



Spray System



CCTV system



Photovoltaic environmental monitoring instrument

## VS SERIES

PARAMETERS

Model	VS0512AP5	VS0812AP5	VS1012AP5	VS1512/24AP5	VS2024AP5
AC Input voltage	220VAC(standard)				
Input voltage range	154-264VAC±5V(Nor Mode) 185-264VAC±3V(UPS Mode)				
Input frequency	50/60Hz±5%				
Out put power	500VA 400W	800VA 640W	1000VA 800W	1500VA 1200W	2000VA 1600W
AC model output Voltage	220V±10%				
Battery model output frequency	The output frequency under the mains is the same as the input frequency				
Battery model output voltage	220VAC±3%				
Battery model output frequency	50HZ or 60HZ±1%				
Battery model output wave	Pure sine wave				
Battery type	External lead-acid battery, Gel battery, water battery or Lithium battery				
Battery voltage	12VDC		12/24VDC		24VDC
Battery charging voltage	13.7VDC		13.7/27.4VDC		27.4VDC
Maximum PV array power	800W		12V:800W 24V:1600W		24V:1600W
Solar input voltage range	12V: PWM 15V-50VDC 24V: PWM 30V-105VDC				
Maximum PV Display Open Circuit Voltage	12V: PWM 50VDC 24V: PWM 105VDC				
Maximum solar charging current	60A				
Maximum AC Charge Current	13A	21A	27A	40A / 20A	27A
Battery charging voltage range	154-275VAC±5V				
Transfer time	≤10ms(UPS Mode) / ≤20ms(INV Mode)				
load peak ratio	(MAX)3:1				
Protective function	Under the mains: input over current fuse Under inverter: overload protection, short circuit protection, low voltage protection. (with battery anti-reverse connection board)				
Status Display	You can view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters by turning the page keys.				
Voice prompt	Low battery protection buzzer long beep Low battery buzzer beeps every second Machine fault buzzer beeps Overload buzzer beeps When the overload is less than 130%, the buzzer will sound every second, and the output will be turned off after 30S. When the overload is greater than 150%,the output will be turned off after 300mS.				
Operating temperature	-10°C~50°C				
Storage temperature	-15°C~45°C				
Relative temperature	-10°C~90°C no condensation				
Noise	<45dB				