



**ENERGY STORAGE INVERTER JV 3800VA~10000VA**

**FEATURES**



- Low no-load loss, less than half of the high-frequency machine with the same power
- Pure sine wave output, can adapt to different loads
- Output short-circuit protection function
- Multiple parameters can be adjusted according to user needs
- Built-in MPPT can reach 245V, 100A
- Standard BMS communication function
- Standard RS232 communication function

**APPLICATION**



Mine/field



Mountain Forest/grassland



Low temperature areas



Desert/woodland

**JV SERIES**  
PARAMETERS

MODEL	JV3824AM8V	JV5048AM8V	JV6348AM8V	JV10048AM8V
Rated output power	3000W	4000W	5000W	8000W
Power Input	220VAC (standard) / 110VAC (customized)			
Input voltage range	220V model: 154-264VAC±3V (normal mode) 185-264VAC±3V (UPS mode) 110V model: 77-132VAC±3V (normal mode) 92-132VAC±3V (UPS mode)			
Input frequency	50/60Hz±5%			
<b>OUTPUT</b>				
Output voltage under AC power	The output voltage under AC power is the same as the input voltage			
Output frequency under AC power	The output frequency under AC power is the same as the input frequency			
Output voltage under inverter mode	220VAC±10% (110VAC±10%)			
Output frequency under inverter mode	50HZ or 60HZ±1%			
Output waveform under inverter mode	pure Sine Wave			
<b>BATTERY &amp; CHARGER</b>				
Battery Type	External lead-acid battery or water battery or lithium battery			
Battery voltage	24VDC		48VDC	
Battery charging voltage	27.4VDC		54.8VDC	
<b>PV INPUT</b>				
Maximum PV array power	2700W		5400W	
PV input voltage range(MPPT)	30-245VDC		60-245VDC	
Optimal Vmp operating range	30-170VDC		60-170VDC	
Maximum photovoltaic open-circuit voltage	245VDC			
Maximum solar charging current	100A			
<b>AC INPUT</b>				
Maximum AC charging current	63A	41A	52A	83A
<b>EFFICIENCY</b>				
Conversion time	≤10ms(UPS mode) / ≤20ms(normal mode)			
Load peak ratio	(MAX)3:1			
Standby power (W)	16W		32W	
<b>PROTECTION</b>				
Protection function	Under grid power: input over current circuit breaker protection Under inverter operation: overload protection, short circuit protection, low voltage protection, battery reverse polarity protection (fuse)			
Status display	color segment display with LED indicator view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, and load current using the page turning key. LED displays mains power, charging status, inverter status, and fault status			
Audible alert	buzzer produces different alarm sounds based on the fault codes, distinguished by long and short tones			
<b>ENVIRONMENTAL PARAMETERS</b>				
Operating temperature	-10°C~+50°C			
Storage temperature	-15°C~+45°C			
Relative temperature	-10°C~90°C non-condensing			
Noise	<45dB			
<b>PHYSICAL PARAMETERS</b>				
Machine dimensions(L*W*H)mm	535*335*170mm			