

JS Series Low Frequency Solar Inverter



- Power range 1KW-12KW
- 12V/24V/48VDC input voltage
- Powerful Charge Rate Up to 100Amp
- Inbuilt pure copper transformer
- Pure sine wave output
- LED+LCD display
- MPPT solar charge controller 45A 60A(120A Optional)
- MPPT Efficiency max 98%
- 50/60HZ automatic sensing
- RS485 with free CD
- Battery priority function
- Automatically send signal to start generator
- DC Start & Automatic Self-Diagnostic Function
- High Efficiency Design & "Power Saving Mode" to Conserve Energy

Specification

MODEL		JS-M848-60	JS-M1048-80
Default Battery System Voltage (VDC)		48VDC	48VDC
INVERTER OUTPUT	Rated Power	8.0KW	10.0KW
	Surge Rating (20ms)	24.0KW	30.0KW
	Capable Of Starting Electric Motor	4HP	5HP
	Waveform	Pure sine wave/ same as input (bypass mode)	
	Nominal Output Voltage RMS	220V/230V/240VAC(+/-10% RMS)	
	Output Frequency	50Hz/60Hz +/-0.3 Hz	
	Inverter Efficiency(Peak)	>88%	
	Line Mode Efficiency	>95%	
	Power Factor	0.8	
	Typical Transfer Time	10ms(max)	
AC INPUT	Voltage	230VAC	
	Selectable Voltage Range	155~280VAC(For Personal Computers)	
	Frequency Range	50Hz/60Hz (Auto sensing) 40-80Hz	
BATTERY	Minimum Start Voltage	20.0VDC/21.0VDC for 24VDC mode (40.0VDC/42.0VDC for 48VDC mode)	
	Low Battery Alarm	21.0VDC+/-0.3V for 24VDC mode (42.0VDC+/-0.6V for 48VDC mode)	
	Low Battery Cutoff	20.0VDC+/-0.3V for 24VDC mode (40.0VDC+/-0.6V for 48VDC mode)	
	High Voltage Alarm	32.0VDC+/-0.3V for 24VDC mode (64.0VDC+/-0.6V for 48VDC mode)	
	High Battery Voltage Recover	31.0VDC+/-0.3V for 24VDC mode (62.0VDC+/-0.6V for 48VDC mode)	
	Idle Consumption-Search Mode	<35W when power saver on	
AC CHARGER	Output Voltage	Depends on battery type	
	Charger AC Input Breaker Rating	40A	50A
	Overcharge Protection S.D.	31.4VDC for 24VDC mode (62.8VDC for 48VDC mode)	
BTS	Maximum Charge Current	70A	80A
	Continuous Output Power	Yes Variances in charging voltage & S.D. voltage base on the battery temperature	
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)	
	Nominal Input Frequency	50Hz or 60Hz	
	Overload Protection (SMPS Load)	Circuit breaker	
	Output Short Circuit Protection	Circuit breaker	
	Bypass Breaker Rating	80A	80A
	Max Bypass Current	80Amp	
SOLAR CHARGER	Maximum PV Charge Current	60A(120A Optional)	
	DC Voltage	48V	
	Maximum PV Array Power	3200W(6400W for 120A Optional)	
	MPPT Range @ Operating Voltage(VDC)	64~147VDC	
	Maximum PV Array Open Circuit Voltage	147VDC	
	Maximum Efficiency	>98%	
	Standby Power Consumption	<2W	
MECHANICAL SPECIFICATIONS	Mounting	Wall mount	
	Dimensions (W*H*D)	607*410*215mm	
	Net Weight (Solar CHG) kg	69+2.5	75.75+2.5
	Shipping Dimensions(W*H*D)	802*533*429.5mm	
	Shipping Weight (Solar CHG) kg	89+2.5	95.5+2.5
OTHER	Operation Temperature Range	0°C to 40°C	
	Storage Temperature	-15°C to 60°C	
	Audible Noise	60dB MAX	
	Display	LED+LCD	
	Loading(20GP/40GP/40HQ)	140pcs / 280pcs / 320pcs	