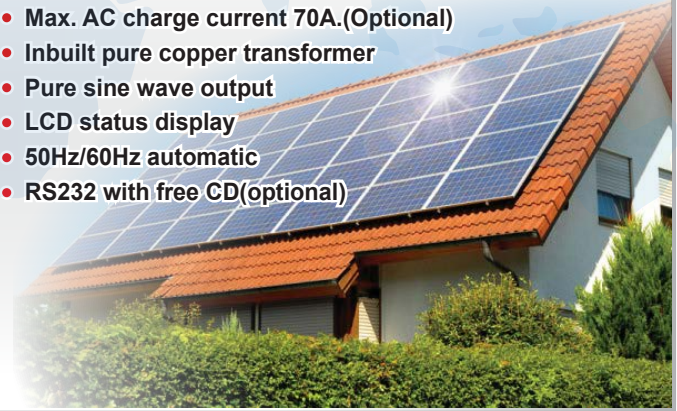


JS Series Low Frequency Solar Inverter



- MPPT solar charge controller 30A~60A
- Battery priority function
- 12V/24V input optional
- Max. AC charge current 70A.(Optional)
- Inbuilt pure copper transformer
- Pure sine wave output
- LCD status display
- 50Hz/60Hz automatic
- RS232 with free CD(optional)



Specification

| MODEL | | JS-M212-40 | | JS-M324-40 | | JS-M548-60 | | JS-M648-60 | |
|--------------------------------|---------------------------------------|---|-------|------------|--------------------------|--|-------|-------------|-------|
| Default Battery System Voltage | | 12VDC | 24VDC | 12VDC | 24VDC | 24VDC/48VDC | | 24VDC/48VDC | |
| INVERTER OUTPUT | Rated Power | 2KW | | 3KW | | 5KW | | 6KW | |
| | Surge Rating (20ms) | 6KVA | | 9KVA | | 15KW | | 18KW | |
| | Capable Of Starting Electric Motor | 1HP | | 2HP | | 3HP | | 3HP | |
| | Waveform | Pure sine wave/ same as input (bypass mode) | | | | Pure sine wave/ same as input (bypass mode) | | | |
| | Nominal Output Voltage RMS | 100V/110V/120VAC 220V/230V/240VAC(+/-10% RMS) | | | | 220V/230V/240VAC | | | |
| | Output Frequency | 50Hz/60Hz +/-0.3 Hz | | | | 50Hz/60Hz +/-0.3 Hz | | | |
| | Inverter Efficiency(Peak) | >88% | | | | >88% | | | |
| | Line Mode Efficiency | >95% | | | | >95% | | | |
| AC INPUT | Power Factor | 0.8 | | | | 1.0 | | | |
| | Typical Transfer Time | 10ms(max) | | | | 10ms(max) | | | |
| | Voltage | 230VAC | | | | 230VAC | | | |
| BATTERY | Selectable Voltage Range | 96~132VAC 155~280VAC(For Personal Computers) | | | | 96~132VAC/155~280VAC(For Personal Computers) | | | |
| | Frequency Range | 50Hz/60Hz (Auto sensing) 40-80Hz | | | | 50Hz/60Hz (Auto sensing) 40-80Hz | | | |
| | Minimum Start Voltage | 10.0VDC /10.5VDC for12VDC mode (*2 for 24VDC,) | | | | 20.0VDC~21.0VDC /40.0VDC~42.0VDC | | | |
| AC CHARGER | Low Battery Alarm | 10.5VDC +/-0.3V for12VDC mode (*2 for 24VDC,) | | | | 21.0VDC +/-0.6V /42.0VDC +/-1.2V | | | |
| | Low Battery Cutoff | 10.0VDC +/-0.3V for12VDC mode (*2 for 24VDC,) | | | | 20.0VDC +/-0.6V /40.0VDC +/-1.2V | | | |
| | High Voltage Alarm | 16.0VDC +/-0.3V for12VDC mode (*2 for 24VDC,) | | | | 32.0VDC +/-0.6V /64.0VDC +/-1.2V | | | |
| | High Battery Voltage Recover | 15.5VDC +/-0.3V for12VDC mode (*2 for 24VDC,) | | | | 31.0VDC +/-0.6V /62.0VDC +/-1.2V | | | |
| | Idle Consumption-Search Mode | <25W when power saver on | | | | <50W when power saver on | | | |
| BYPASS & PROTECTION | Output Voltage | Depends on battery type | | | | Depends on battery type | | | |
| | Charger AC Input Breaker Rating | 30A | | 30A | | 40A | | | |
| | Overcharge Protection S.D. | 15.7VDC for 12VDC mode (*2 for 24VDC,) | | | | 31.4VDC/62.8VDC | | | |
| | Maximum Charge Current | 65A | 35A | 75A | 45A | 70A | 40A | 75A | 50A |
| SOLAR CHARGER | Input Voltage Waveform | Sine wave (grid or generator) | | | | Sine wave (grid or generator) | | | |
| | Nominal Input Frequency | 50Hz or 60Hz | | | | 50Hz or 60Hz | | | |
| | Overload Protection (SMPS Load) | Circuit breaker | | | | Circuit breaker | | | |
| | Output Short Circuit Protection | Circuit breaker | | | | Circuit breaker | | | |
| | Bypass Breaker Rating | 30A | | 30A | | 40A | | | |
| MECHANICAL SPECIFICATIONS | Max Bypass Current | 30Amp | | | | 40Amp | | | |
| | Maximum PV Array Power | 600W | 1200W | 600W | 1200W | 1600W | 3200W | 1600W | 3200W |
| | Maximum PV Charge Current | 40A | | | | 60A | | | |
| | DC Voltage | 12V/24V atuo work | | | | 24V/48V atuo work | | | |
| | MPPT Range @ Operating Voltage | 16~100VDC | | | | 32~145VDC @ 24V / 64~145VDC @ 48V | | | |
| | Maximum PV Array Open Circuit Voltage | 100VDC | | | | 145VDC | | | |
| | Maximum Efficiency | >90% | | | | >98% | | | |
| Standby Power Consumption | <2W | | | | <2W | | | | |
| OTHER | Mounting | Wall mount | | | | Wall mount | | | |
| | Dimensions (W*H*D) | 460*277*192mm | | | | 597*277*198mm | | | |
| | Net Weight (Solar CHG) kg | 23.5 | 23 | 28 | 27 | 48.6 | | 48.6 | |
| | Shipping Dimensions(W*H*D) | 554*360*300mm | | | | 743*372*312mm | | | |
| | Shipping Weight (Solar CHG) kg | 26.5 | 25.6 | 31 | 30 | 53 | | 53 | |
| OTHER | Operation Temperature Range | 0°C to 40°C | | | | 0°C to 40°C | | | |
| | Storage Temperature | -15°C to 60°C | | | | -15°C to 60°C | | | |
| | Audible Noise | 60dB MAX | | | | 60dB MAX | | | |
| | Display | LED+LCD | | | | LED+LCD | | | |
| Loading(20GP/40GP/40HQ) | 460pcs / 920pcs / 1060pcs | | | | 320pcs / 640pcs / 750pcs | | | | |