



**SolarMax<sup>®</sup>**  
*Since 2007*

**JAGUAR**  
**SERIES**

## MPPT Solar Inverter **Jaguar 2.4KVA**



Max Charging Current  
50A



Overload Protection



Short Circuit Protection



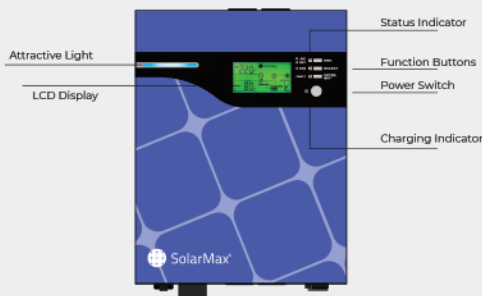
Attractive Light



**NO.1** PV INVERTER  
**EXPERT**

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## Product Overview



- Built-in MPPT Solar Charge Appliances
- Overload and Short circuit protection
- Wide input voltage range
- Combines LCD display and LED indicator for comprehensive information.
- Simulated Sine Wave
- Status indicator System
- Manually set multiple schedule
- Power ON/OFF Button

## Jaguar 2.4KVA Solar Inverter

|                                       |                                                                                                                                                                                                           |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL                                 | SM-J 2.4K                                                                                                                                                                                                 |
| CAPACITY                              | 2400VA / 1600W                                                                                                                                                                                            |
| <b>INPUT</b>                          |                                                                                                                                                                                                           |
| Voltage                               | 230 VAC                                                                                                                                                                                                   |
| Selectable Voltage Range              | 90 - 280 VAC                                                                                                                                                                                              |
| Frequency Range                       | 50 Hz/60 Hz (Auto sensing)                                                                                                                                                                                |
| <b>OUTPUT</b>                         |                                                                                                                                                                                                           |
| AC Voltage Regulation (Batt. Mode)    | 230 VAC $\pm 10\%$                                                                                                                                                                                        |
| Output Watt                           | 1600W                                                                                                                                                                                                     |
| Overload Capability                   | Load $>110\% \pm 15\%$ , alarm 5 minutes and then inverter fault<br>If decreasing the load until lower than 100%, the overload alarm can release.<br>Load $>130\% \pm 15\%$ , inverter fault immediately. |
| Efficiency (Peak)                     | 85%                                                                                                                                                                                                       |
| Waveform                              | Simulated Sine Wave                                                                                                                                                                                       |
| Transfer Time                         | 20 ms                                                                                                                                                                                                     |
| <b>BATTERY</b>                        |                                                                                                                                                                                                           |
| Battery Voltage                       | 24 VDC                                                                                                                                                                                                    |
| Floating Charge Voltage               | 27.4 VDC $\pm 0.5$ VDC                                                                                                                                                                                    |
| Overcharge Protection                 | 30.0VDC $\pm 1$ VDC                                                                                                                                                                                       |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |                                                                                                                                                                                                           |
| Solar Charger Type                    | MPPT                                                                                                                                                                                                      |
| Maximum PV Array Open Circuit Voltage | 100 VDC                                                                                                                                                                                                   |
| MPP Range @ Operating Voltage         | 30 ~ 80 VDC                                                                                                                                                                                               |
| Maximum Solar Charge Current          | 50A                                                                                                                                                                                                       |
| Maximum AC Charge Current             | 10A/20A                                                                                                                                                                                                   |
| Maximum Charge Current                | 50A                                                                                                                                                                                                       |
| <b>OPERATING ENVIRONMENT</b>          |                                                                                                                                                                                                           |
| Humidity                              | 0 to 90% Relative Humidity (Non-condensing)                                                                                                                                                               |
| Operating Temperature                 | 0°C to 40°C                                                                                                                                                                                               |
| Storage Temperature                   | -15°C to 50°C                                                                                                                                                                                             |

Product specifications are subject to change without further notice