









Giant Power 48V 4000W Integrated Power System (MPPT)



Giant Power Integrated Power Systems (IPS) are the ultimate all-in-one unit for managing solar and battery systems. Each IPS combines the functionality of a solar charge controller, pure sine wave inverter, and multi-stage AC battery charger into one central unit, eliminating the need for numerous devices and excess cabling. Ideal for portable power setups such as caravans or motorhomes, and offgrid power setups in remote locations.

Key Features

 25A MPPT Solar Charge Controller	 2400W Pure Sine Wave Inverter
 30A Multi-Stage Battery Charger	 Integrate with Mains Power
 LCD Control Panel	 Auto-Start Generator Functionality
 Monitoring & Data Recording Software	 Stackable Units for Additional Power

** Software Compatible with Windows & Linux*

Other Features

- ✓ Compatible with AGM, Gel and SLA Batteries
- ✓ Adjustable charge voltage and current
- ✓ 2x inverter surge capacity (5s)
- ✓ Overload, temperature and short circuit protection
- ✓ Light weight high frequency transformer
- ✓ Low standby current
- ✓ Whisper Fan Upgrade
- ✓ Anti-Vibration Upgrade

Specifications		Giant Power 48V 4000W IPS	
General Electrical			
Nominal DC Voltage	48V		
Peak Efficiency	93%		
Inverter			
Continuous Output	4KW		
Surge Rating	8KW (5 seconds max)		
Output Waveform	Pure Sine Wave		
Output Voltage	230VAC + / - 5%		
Output Regulation	< 3% RMS for battery voltage range		
Output Short Circuit	Circuit Breaker		
AC Battery Charger			
Charging Mode	3-stage		
Boost Voltage	58.4V (Flooded) 56.4V (MF)		
Float Voltage	54.0V (Flooded) 54.0V (MF)		
AC Recharging Current	60 Amp (adjustable)		
AC Input (Mains/Generator)			
Input Voltage Range	90~280VAC (Appliance mode) 170~280VAC (UPS mode)		
Solar Charge Controller			
Type	Maximum Power Point Tracking (MPPT)		
Max Charging Current	60 Amp		
Max PV Input/Output	3000W		
Max PV Input Voc	145V		
MPPT Range	60-115V		
Environmental / Mechanical			
Temperature Range	Operating: 0°C ~ 55°C Storage: -15°C ~ 60°C		
Dimension	468mm x 295mm x 120mm		
Net Weight	14kg		



Australian Support, Warranty & Repairs
2 YEAR WARRANTY - REPAIR OR REPLACEMENT

Clean Energy Council Approved

Giant Power IPS units are approved off grid inverters suitable for installation under the Renewable Energy Certificate scheme.