GS ENERGY SYSTEMS
Smart Energy. Reliable Power.

GS PowerCore

PV2000 | 1.6KW

SMART HYBRID INVERTER

Reliable Power. Intelligent Performance.

The **GS PowerCore PV2000** is a compact, high-performance solar inverter designed for modern energy needs. With advanced MPPT technology, smart monitoring, and multiple protection features, it ensures reliable and efficient power delivery for homes and small businesses.



Rounded Corner Design
Sleek & modern appearance

Adjustable Parameters
Flexible settings for different applications

Wide PV Voltage Range
Minimum PV voltage 30V for cost-effective usage

Battery Communication
Supports lithium battery BMS, Wi-Fi & dry contact function

Pure Sine Wave Output
Compatible with sensitive & diverse loads

Advanced Protection
Built-in short-circuit protection for safe operation

Real-time Monitoring
Display of actual load power for better user awareness

High Efficiency Power Factor
Power factor = 1 for maximum efficiency

SPECIFICATIONS		GS-PC2000
INPUT	Input Formation	L+N+PE
	AC Input	220/230/240VAC
	Input Voltage Range	90–280VAC±3V (Normal Mode) ; 170–280VAC±3V (UPS Mode)
	Frequency	50/60Hz ±0.1%
OUTPUT (OFF-GRID)	Rated Power	1600W
	Output Voltage	220/230/240VAC ±5%
	Output Frequency	50/60Hz (Adaptive)
	Output Wave	Pure Sine Wave
	Transfer Time (Adjustable)	10ms (Computer Equipment) / 20ms (Household Equipment)
	Peak Power	3200VA
	Overload Ability	11s @105%~150% Load; 2s @150%~200% Load; 400ms @>200% Load
GRID CONNECTED OPERATION	Grid Output Voltage	220/230/240VAC
	Grid Voltage Range	90–280VAC±3V (Normal Mode) ; 170–280VAC±3V (UPS Mode)
	Grid Frequency Range	50/60Hz ±0.1%
	Output Current	60A
	Power Factor Range	1
	Max Efficiency (DC/AC)	≥ 90%
BATTERY & CHARGING	Rated Voltage	12VDC
	Constant Charging Voltage	14.1VDC
	Float Charging Voltage	13.5VDC
	PV Charging Method	MPPT
	Max PV Input	2000W
	MPPT Tracking Range	30–500VDC
	Max PV Input Voltage	500VDC
	Max PV Charge Current	100A
	Max AC Charge Current	100A
	Max Charge Current	100A
COMMUNICATION & INTERFACE	LCD	Can display operating mode / load / input / output
	RS232	Baud Rate 2400
	Expansion Slot Communication Interface	Lithium Battery BMS Communication Card, Wi-Fi, dry contact, etc.
	Parallel Interface	Not Support Parallel
OTHERS	Operating Temperature	-10°C ~ 50°C
	Storage Temperature	-15°C ~ 60°C
	Work Altitude	No more than 1000m. If 1000m <, Rate power will lower, MAX 4000m, IEC62040
	Operating Environment Humidity	20% ~ 95% Non Condensing
	Noise	≤ 50dB

APPLICATIONS

- Residential Backup Power
- Small Business Energy Solutions
- Solar Energy Systems
- Sensitive & Critical Load Support

DIMENSIONS



CERTIFICATIONS

RoHS CE

Smart Energy Management | Reliable & Durable | Easy Installation & Maintenance | Sustainable & Efficient