

1200W Portable Power Station

GPSP Series



Gospower

GPSP-12LT-010A1

PV(DC input)

Recommended max. PV input power	900W
Max. input voltage(Voc)	120V
MPPT operating voltage range	25V-100V(@22V start up)
Number of MPPT	1
Max. number of input strings per MPPT	1
Max. input current per MPPT	15A
Max. short-circuit current per MPPT	18A

DC output

USB-A1	5V/1A
USB-A2	5V/2A
USB-C1	NA
DC5521	12V/3A

Battery parameters (Bidirection)

Battery capacity	960Wh,50Ah
Battery type	LiFePO4
Battery voltage range	16~22Vdc
Rated battery voltage	19.2Vdc
Max. charge/discharge current	50A/75A
BMS communication mode	UART

Back-up output (AC output)

Rated output power	1200W/1200VA
Rated output current	5.5A or 11A
Rated output voltage	220/230/240Vac 50/60Hz or 120Vac 60Hz
Frequency	50/60Hz
Surge power	2400VA 2s
THDv (@ linear load)	<3%

Efficiency

Peak efficiency	>90%
Max. MPPT efficiency	99.90%

Protection

Inner protection	√Output short-circuit protection √Output overvoltage protection
Surge protection	PV: Type III, AC: Type III
IP rating	IP21

General parameters

Operating temperature range	-10°C~ 45°C
Relative humidity range	5%~95%
Max.operating altitude	>2000m derating
Standby self consumption	<15W
Cooling mode	Fan cooling
Dimension(L*D*H)(mm)	320*225*200
Gross weight (kg)	12.5
Warranty period	2 Years



Enhanced Energy Efficiency

Maximum PV input power 900W;
rated load capacity 1200W



Safety Protection

Features overvoltage and short-circuit protection functions



Safety and Reliability

Built-in BMS, IP21 protection,
2-years warranty



Superior Performance

Supports high-power household appliances under load with short-circuit protection



User-Friendly

Integrated design for instant access



Local Service

Supports local sales and after-sales service