

PGS Series 1KVA - 3KVA

Portable Power Generator Datasheet

PGS Series 1KW - 3KW (1 ph in / 1ph out)

Key Features:

- **Super Quick Charging**
Embedded Super Charger, Recharge the battery from to full charge in minimum 1 hour
- **Ultra Long Backup Time**
Lithium battery Powered product support up to 24hour back up time
- **No External Charger**
Free from cumbersome external charge, plug and play for charging, extremely easy for use
- **Outstanding Loading Capability**
Output 220/230/240V, 50/60Hz perfect sine-wave, strong overloading capability for surge loading impact, widely adapt to electric tools, computer, printer, ultrasonic cleaner etc. home and office applicant, smart loading matching function further compatible to applicant that rated power higher than the power station itself.
- **High Efficiency**
Low energy loss, increase backup time, prolong battery lifetime
- **Ultra Wide Mains Range**
Accept 85-300Vac, 30~80Hz ultra wide range of mains input for charging, great adaptability to harsh power environment.
- **DSP Technology**
Advance DSP technology, comprehensive protection, stable and reliable
- **Embedded UPS Function**
Can set as UPS working mode, the Power station keep monitoring mains input and switch to inverter supply in case mains out of range, protect the loading applicant from blackout reset.



Shenzhen UPSen Electronic CO., Ltd.

www.upsen.net

Technical Specification:

Model		PGS - 1000	PGS - 2000	PGS - 3000
Rated Power		1KVA / 1KW	2KVA / 2KW	3KVA / 3KW
Peak Power		1.5KW	3KW	4.5KW
Phase		1 Phase Input / 1 Phase Output		
Working Mode		Charging: Automatically charge the battery when mains on		
		UPS Mode: Auto switch to inverter supply when AC mains interrupted within<10ms		
		Inverter Mode : Manual force inverter turn on		
AC OUTPUT	Output Wiring	1 Phase 3 Wire (L, N + PE)		
	Rated Voltage	220 / 230 / 240VAC		
	Voltage Regulation	±1%		
	Output Frequency	50 / 60Hz± 0.1% (Inverter Mode)		
		Same as Input Mains (UPS Mode)		
	Output Waveform	Sine Wave		
	Harmonic Distortion (THDV%)	<2% (Linear load)		
		<7% (Non Linear load)		
	Over load capability	30s @ 105% ~ 120% Rated Power		
10s @ 120% ~ 150% Rated Power				
0.2S @ >150% Rated Power				
Load Type	Basically No Limited			
Allow Load PF	Leading (Captive) 0.1 - 1			
	Lagging (Inductive) 0.1~1			
DC Output		USB2.0 5V * 2A * 2 Pcs,		
		QC 3.0 Type C 18W * 1Pcs		
		DC099 12V * 5A		
		High bright LED 2.5W		
Efficiency	Charging (AC->BAT)	Up to 92%		
	Discharge (BAT->AC)	Up to 90%		
Mains AC Input	Input Wiring	1phase 3 wire (L,N)+PE		
	Input Voltage Range	90 ~ 300VAC		
	Frequency Range	30Hz - 80Hz		
	Input PF	≥0.95 @ Full Load		
Battery & Charger	Battery Type ^①	LiFePO4 Lithium Battery		
	Battery Capacity ^①	1000wh	2000wh	3000wh
	Backup time for 1 PC	8 Hour	16hour	24hour
	Recharge Time	1hr		
LCD Display		Input / Ouput Mains Voltage, Freq. Loading Level, Operating Mode, Status		
Environment	Working Temperature Range	-0~45°C		
	Humidity	0-98% (Non-Condensing)		
Form Factor	Chassis Material	High Strength Sheet Metal		
	Unit dimension (mm)	180*275*425	235*330*445	
	Weight	12KG	16KG	18KG
Safety standards		IEC60950		

*Product Specifications are Subject to Change Without Notice.