

# Power Guard Hybrid Solar System

## Power Backup + Protection

Give Protection from Power impurities.  
Save your work & equipment when Power fails.



- Line Interactive Design, 1KVA UPS
- Boost and buck AVR (Auto voltage regulation)
- Cold start function (DC power on)
- Advanced battery management (ABM technology)
- Battery charging in UPS OFF Mode
- Microprocessor controlled

Model	PGE1000	
Capacity	1000VA max	
Input	Voltage	230V
	Frequency	40-65Hz
	AVR	140V-300V
	Generator Compatible	Yes
	Connection	3 Pin 5A, Indian Plug, 1.4 m wire
Output	Voltage on mains	230V +10%~-15%
	Frequency on mains	Follows Input
	Voltage on Battery	230V ±10%
	Freq on Battery	50 Hz ±1%
	Waveform	Modified Sinewave
	Power Factor Lagging	0.6
	Efficiency	>80%
	Sockets	3 output sockets
	O/p Short cct	UPS output cutoff immediately
	Protection	O/p overload shutdown
Transfer Time Mains to Inverter		4-8 ms
Battery	DC Bus	24VDC
	Internal Battery	2 x 7AH, SMF
	Protection	Auto Discharge Protection
	Typical Recharging Time	6 hrs (to 90% full capacity)
	Backup time on PC with LCD monitor	approx. 20-40 mins
Indications	Power ON	Green LED steady
	Inverter ON	Yellow LED blink
	Fault	Red LED steady
Alarm	Battery Backup	Slow beeping sound (about 0.47 Hz)
	Battery Low	Rapid beeping sound (about 1.8 Hz)
	Overload	Rapid beeping sound
Environment	Ambient Operation	0-40°C, 0-95% humidity non condensing, 3500 meter max.
	Audible Noise	<40DbA (1 meter from surface)
	Storage Condition	15,000 meter max. elevation
Physical	Weight (Net)	7.8 Kgs.
	Dimension - WxDxH (mm)	320 x 130 x 182

Specification subject to change without prior intimation



UPS with Built in Battery - Plug & Play - 2 years warranty