



# PowerGem Pro Rackmount Series Online Double Conversion UPS



Ultimate Power Protection for Mission Critical Applications

## Features:

- True double conversion
- Advanced digital signal processor control technology
- Wide input voltage and frequency windows
- LCD mimic panel
- Near unity power factor
- Output power factor 0.8
- ECO mode operation for energy saving
- Extended runtime capability
- Emergency shutdown control through EPS
- Smart battery charger
- Customer options slot
- Communication software provided
- N+X parallel redundancy 6K and above
- Programmable power management outlets



## Technical Specification

Model	PGPRO 1000R	PGPRO 2000R	PGPRO 3000R	PGPRO 6000R	PGPRO 10000R
Power Rating (VA/Watts)	1000/800	2000/1600	3000/2400	6000/4800	10,000/8000
<b>Input</b>					
Voltage (Vac)	120/140/160 ~ 300 VAC			160-300 VAC	160-300 VAC / 277-485 VAC
Frequency	40-70Hz			46-64Hz	
Phase	Single phase with ground			Single phase + ground + neutral	Single, line + neutral + ground; three, R,S,T + neutral + ground
Input Power Factor	0.95 @ 100% full load			up to 0.99 @ 100% full load	
<b>Output</b>					
Voltage	230 VAC				
Voltage Regulation	+/- 2%			+/- 1%	
Power Factor	0.8				
Wave Form	Sine wave, THD <3%			Sine wave, THD <2%	
Frequency Stability	50Hz +0.2% (free running)				
Frequency Regulation	50Hz or +/- 0.3%				
Transfer Time	0 ms				
Crest Factor	3:1				
Efficiency (AC to AC)	>85%	>88%		>89%	
DC Start	Yes				
<b>Batteries</b>					
Type	Sealed lead acid maintenance free				
Capacity	12V 7AH x 3 pcs	12V 7AH x 6 pcs	12V 9AH x 6 pcs	12V 7AH x 20 pcs	12V 9AH x 20 pcs
Voltage (Vdc)	36	72		240	
Recharge Time	3 hours			4 hours	5 hours
Built-in Charger (max. charging current)	1.0A				
<b>General</b>					
Audible and Visual Alarms	UPS status, load level, battery level, input/output voltage, discharge timer, and fault conditions				
Operating Temperature	0-40°C				
Humidity	90% RH maximum, non-condensing				
Acoustic Noise at 1m distance	<45dBa			<55dBa	
Interface Type	Selectable USB/ RS232 Interface				
Communication Options	Relay contact board, SNMP / WEB card etc				
Dimensions (w x d x h) mm	438 x 420 x 88	438 x 580 x 133		438 x 580 x 222	
Net Weight (kgs)	16	31		82	85