



# DC TO AC Converters Pure Sine Wave 700W-2000W **Green Power**

**CHARACTERISTICS:**

- High frequency switching technology for high efficiency
- Output power range 150W-2000W
- Stabilized voltage and frequency
- 12VDC, 24VDC and 48VDC input voltage models
- Suitable for operating electrical equipment in vehicles
- Low battery protection
- Short circuit and overload protection
- Sound alarm at low input voltage

**SUITABLE APPLICATIONS:**

- Color TV, video recorder/camera, musical instruments
- Fax machine and communication equipment
- Battery charging for mobile equipment
- Cash registers and electronic scales
- Medical equipment and emergency lighting
- Computers and peripheral equipment
- Watering systems



**SPECIFICATIONS – GREEN POWER 700W-2000W**

Model	Green Power 700						Green Power 1000			Green Power 1500						Green Power 2000					
	GPC 12070(1)	GPC 24070(1)	GPC 48070(1)	GPC 12070	GPC 24070	GPC 48070	GPC 12100	GPC 24100	GPC 48100	GPC 12150(1)	GPC 24150(1)	GPC 48150(1)	GPC 12150	GPC 24150	GPC 48150	GPC 12200	GPC 24200	GPC 48200			
Continuous Output power	700W						1000W			1500W						2000W					
Maximum output power (3 Min)	750W						1150W									2300W					
Surge rating	800W						1300W			2000W						2600W					
Input voltage	12V	24V	48V	12V	24V	48V	12V	24V	48V	12V	24V	48V	12V	24V	48V	12V	24V	48V			
Output voltage	100V/110V/120V/220V/230V/240V ± 3%						230V±3% (standard stock voltage) Also available in 220, 240&110, 115, 120V±3%, not available as standard stock item (can be orderd on special request)			100/110/120V±3%						220/230/240V±3%			230V±3% (standard stock voltage) Also available in 220, 240&110, 115, 120V±3%, not available as standard stock item (can be orderd on special request)		
Output current @ 220/230/240V							4.45A/4.34A/4.16A									9.09A/9.69A/8.33A					
Frequency	50/60Hz ± 0.05%																				
Peak Output current @ 220/230/240V							5.90A/5.65A/5.41A			25A						11A			11.36A/10.87A/10.42A		
Efficiency (peak load)							89% 90% 91%									85% 87% 90%					
Efficiency (max/avrage)							89% 91% 92%									87% 88% 90%					
Efficiency (full load)	87.0%	90.0%	92.0%	90.0%	92.0%	94.0%	90%	92%	93%	85%	87%	88%	86%	89%	90%	91%	94%	95%			
No load current draw	0.87A	0.43A	0.23A	0.83A	0.43A	0.22A	1.1A	0.65A	0.35A	≤1.5W saving mode						2.4A	1.2A	0.6A			
Save mode	1.5E when in saving mode																				
Output waveform	Pure sine wave THD<3%																				
Output voltage regulation	100/110/115/120V Rms-10%/+4%			200/220/230/240V Rms-10%/+4%			200/220/230/240V Rms-10%/+4% depending on model orderd			100/110/115/120V Rms-10%/+4%			200/220/230/240V Rms-10%/+4%			200/220/230/240V Rms-10%/+4% depending on model orderd					
Input voltage regulation	10.5-15 VDC	21.0-30 VDC	42-62 VDC	10.5-15 VDC	21.0-30 VDC	42-62 VDC	10-16 VDC	20-32 VDC	40-56 VDC	10-16 VDC	20-32 VDC	42-62 VDC	10-16 VDC	20-32 VDC	42-62 VDC	10.5-15 VDC	21.0-30 VDC	42-62 VDC			
Max Dc input current							100A 50A 25A									200A 100A 50A					
Input level indicator	Red/Orange/Green LED																				
Load level indicator	Red LED																				
Failure indicator	5 seconds																				
Power saving recovery time	5 seconds																				
Protection	Overload, Short circuit, Reverse polarity (Fuse) Over/Under input voltage, over temperature, AC input circuit breaker, GFCI						Overload, Short circuit, Reverse polarity (Fuse) Over/Under input voltage, over temperature														
Interface control	RS-232C without rate 1200, 2400, 4800 (switch selectable)																				
Remote control	CR-6 (optional) CR-5 (optional)																				
Safety	UL458			EN60950			EN60950 pending			UL458			EN60950								
Warranty	1 year																				
EMC	FCC Class B			EN50081-1:1992 EN50082-1:1992 EN55022B:1994 EN550204:1995 EN61000-4-2:1995 EN61000-4-3:1996			e-mark e13-020866			EN50081-1:1992 EN50082-1:1992 EN55022B:1994 EN550204:1995 EN61000-4-2:1995 EN61000-4-3:1996			FCC Class B			EN50081-1:1992 EN50082-1:1992 EN55022B:1994 EN550204:1995 EN61000-4-2:1995 EN61000-4-3:1996 e-mark e13-020866					
Operating temperature range	0-50°C						0-40°C														
Storage temperature range	-30°C to 70°C																				
Fan cooling	Loading controllrd cooling fan						Thermostatically controllrd cooling fan														
Dimensions(LxWxH) mm	295x180x72						383x182x89			390x275x105						430x213x166					
Weight (kgs)	2.7						4.0			7.0						8.5					

\* Characteristics subject to change without prior notice