



# GOBRIGHT 1000W GBR-P Series

## DC to AC Inverter Pure sine wave

Model

GBR1000P-12

GBR1000P-24

GBR1000P-48

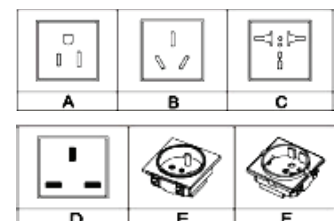


The GBR-P Series feature pure sine wave output with 600, 1000, 1500 and 2000 watts respectively. With high surge capability, the GBR-P Series provides the necessary current to start-up demanding electrical loads. The GBR-P products are available with some different socket types: Schuko, Universal and others. The GBR-P Series offers many safety features not found in similar inverters.

The compact, easy-to-use and easy-to-install design of the GBR-P Series makes it ideal for use in commercial truck, marine applications and solar system. With Pure Sine Wave output, the GBR-P Series can provide power for all types of electrical loads including, variable speed power tools, advanced electrical appliances, microwaves and much more. The GBR-P series provides household AC power anywhere.

### Design Features

- High efficiency;
- Advanced double CPU intelligent technology;
- Pure sine wave output (T.H.D≤3%);
- Commercial grade design suitable for heavy duty loads, long periods of continuous operation & for emergency back up;
- Temperature controlled cooling fan – reduces energy consumption;
- Low idle power draw;
- Comes with terminal-type battery cable lugs;
- UPC – Universal Protection Circuit: low voltage, over voltage, over temperature, over load and short circuit.



18 MONTHS LIMITED WARRANTY



**GOBRIGHT**

# 1000W GBR-P Series

	MODEL NO.	GBR1000P-12	GBR1000P-24	GBR1000P-48
<b>OUTPUT</b>	CONTINUOUS POWER	1000 Watts	1000 Watts	1000 Watts
	SURGE POWER	2000 Watts (< 100 ms)	2000 Watts (< 100 ms)	2000 Watts (< 100 ms)
	OUTPUT VOLTAGE	110/220/230/240Vac $\pm$ 3%	110/220/230/240Vac	110/220/230/240Vac
	OUTPUT FREQUENCY	50/60Hz $\pm$ 0.5%	50/60Hz $\pm$ 0.5%	50/60Hz $\pm$ 0.5%
	TYPE OF WAVEFORM	Pure Sine Wave (THD $\leq$ 3%)	Pure Sine Wave (THD $\leq$ 3%)	Pure Sine Wave (THD $\leq$ 3%)
	No Load Current Draw	$\leq$ 700mA	$\leq$ 450mA	$\leq$ 300mA
	AC OUTPUT CONNECTIONS	Universal/Customized	Universal/Customized	Universal/Customized
<b>INPUT</b>	NOMINAL DC INPUT VOLTAGE	12Vdc	24Vdc	48Vdc
	DC INPUT VOLTAGE RANGE	10.0~15.0Vdc	20.0~30.0Vdc	40.0~60.0Vdc
	MAXIMUM INPUT CURRENT	120A	60A	30A
<b>EFFICIENCY</b>	INV. EFFICIENCY	$\geq$ 95.5%	$\geq$ 95.3%	$\geq$ 95.2%
<b>PROTECTIONS</b>	LOW DC VOLTAGE ALARM	10.5 $\pm$ 0.2Vdc	21.0 $\pm$ 0.5Vdc	42.0 $\pm$ 1.0Vdc
	LOW DC VOLTAGE SHUTDOWN	10.0 $\pm$ 0.2Vdc	20.0 $\pm$ 0.5Vdc	40.0 $\pm$ 1.0Vdc
	HIGH DC VOLTAGE SHUTDOWN	15.5 $\pm$ 0.2Vdc	31.0 $\pm$ 0.5Vdc	61.5 $\pm$ 1.0Vdc
	OVER TEMPERATURE SHUTDOWN	85°C $\pm$ 2°C ; Auto reset at 55°C $\pm$ 2°C		
	SHORT CIRCUIT SHUTDOWN	Shut down O/P voltage, Re-power on/Remove to recover		
	OVERLOAD SHUTDOWN	At overload of 110% to 120% for 3 to 3.5 sec; Remove Power to Recover		
<b>DISPLAY</b>	LED INDICATOR	Power, Low Voltage, Over Voltage, Overload, Over Temperature etc.		
<b>ENVIRONMENT</b>	OPERATING TEMPERATURE	-20 °C ~ +60 °C	-20 °C ~ +60 °C	-20 °C ~ +60 °C
	OPERATING HUMIDITY	20% ~ 90% RH; Non-condensing		
<b>COOLING</b>	INTELLIGENT CONTROL	Temperature controlled fan; Fan ON at 55°C $\pm$ 2°C; Fan OFF at 45°C $\pm$ 2°C		
<b>DIMENSIONS</b>	(L*W*H), MM	330x180x88	330x180x88	330x180x88
	(N.W/G.W), KG	3.25 / 3.90	3.25 / 3.90	3.25 / 3.90
<b>PACKAGE</b>	INNER BOX (L*W*H), MM	455x240x155	455x240x155	455x240x155
	CTN'S	4PCS/CTN	4PCS/CTN	4PCS/CTN
	CARTON (L*W*H), MM	495x470x325	495x470x325	495x470x325
	CARTON (N.W/G.W), KG	15.60 / 16.80	15.60 / 16.80	15.60 / 16.80

**NOTE: Specifications are subject to change without notice**