



Power Blessed Co., Ltd

PB-GTI-5000 Grid-tied Inverter Specifications

www.powerblessed.net

info@powerblessed.com

Tel: +86 21 58170702

Fax: +86 21 51062610

1938 Kangshen Rd. Shanghai 201318 P. R. China



Input

Recommended Input PV Power (W)	6250
Max. DC Input Power(W)	5830
Nom. Input Voltage(Vdc)	280
MPPT Voltage Range(Vdc)	200-500
Max. Input DC Current(Adc)	16 + 16
Number of Input Connections(pair)	2
Number of MPPT Channel	2
Input Transient Voltage Suppression	Yes
Earth Fault Detection and Indication	Yes
Opposite Polarity Protection	Yes

Output

Max. Output AC Power(VA)	5500
Nom. Output AC Power(VA)	5000
Power Factor	>0.99
Output Current THD	<4%
Nom. Grid Voltage(Vrms)	220/230/240 50Hz 120/240 60Hz
Grid Voltage Range(Vrms)	88%-110% of norm grid voltage by default, adjusted to local regulation
Rated Output AC Current(Arms)	20.8
Max. Output AC Current(Arms)	22.9
Grid Frequency Range(Hz)	50/60±0.5Hz by default, adjusted to local regulation
Transformer Isolation Between System and Grid	Yes
Output Transient Voltage Suppression	Yes
Non-islanding	comply with IEEE 1547
Electromagnetic Compatibility	EN61000-6-1/6-3/6-2/6-4:2007/3-2/3-3

Power Efficiency(with isolation)

Max Efficiency	>95.0
European Efficiency	>93.5

Packaging

Enclosure	IP65, for indoor and outdoor installation
Weight(kg)	60
Dimension(H x W x D. mm)	680x440x212

Environment

Operation Ambient Temperature(°C)	-25~ +50
Storage Ambient Temperature(°C)	-40~ +70
Elevated Above Sea Level(m)	4000(Max. Temp +30°C)