



Power Blessed Co., Ltd

PB-GTI-2800 Grid-tied Inverter Specifications

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Input

Recommended Input PV Power (W)	3500
Max. DC Input Power(W)	3270
Nom. Input Voltage(Vdc)	280
MPPT Voltage Range(Vdc)	150-400
Max. Input DC Current(Adc)	10 + 10
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)	3080
Nom. Output AC Power(VA)	2800
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)	13
Max. Output AC Current(Arms)	15
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	Yes, comply with UL 1741/IEEE 1547/VDE0126-1-1/DK5940/AS4777/G83
Electromagnetic Compatibility	EN61000-6-1:2007/EN61000-6-3:2007/EN61000-6-2:2005/EN61000-6-4:2007/EN61000-3-2:2006/EN61000-3-3:1995/+A1:2001/+A2:2005

Power Efficiency(with isolation)

Max Efficiency	>94.5
European Efficiency	>93.0

Packaging

Enclosure	IP65, for indoor and outdoor installation
Weight(kg)	42.5
Dimension(H x W x D. mm)	370x525x225

Environment

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