

# COMMERCIAL VILLAGE SOLUTION

Three Phase Grid-tied Solar Inverter

BG4KTR / 5KTR / 6KTR / 8KTR / 10KTR



APP/Web Monitor



External-inductor Design



IP65



Product Liability Insurance



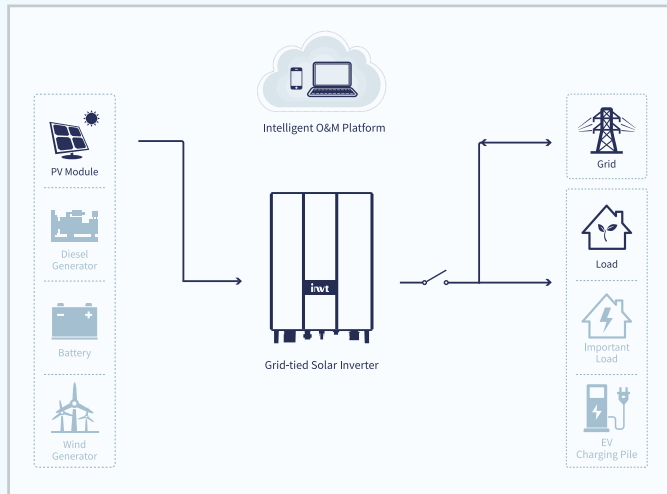
All Aluminium Case



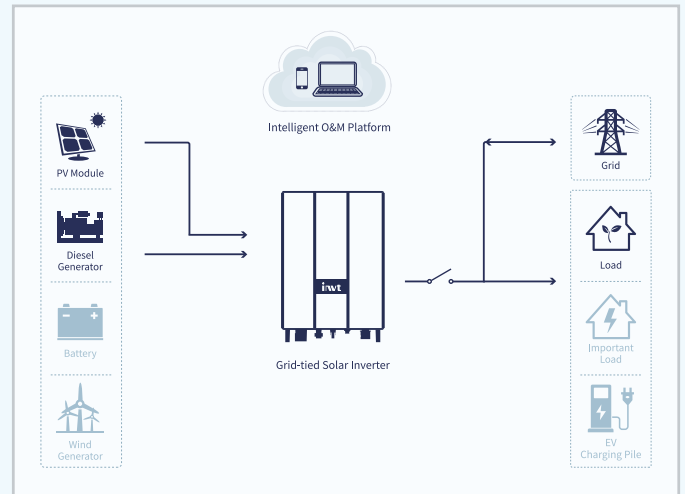
5+5 Warranty



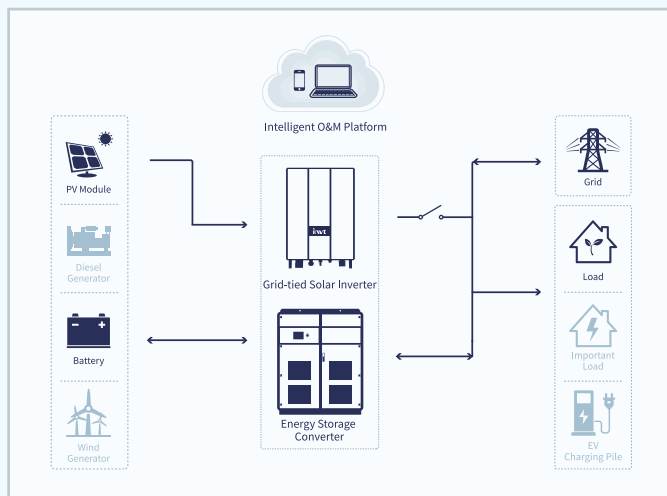
# Solution



• Typical Grid-tied Solution / Aging of Switching Power Supply System



• Grid-tied + Diesel Generators



• Grid-tied + Energy Storage

# Configuration table

Inverter	Solar Panel								Mounting Structure	PV Cable	
	60 Cells				72 Cells					4mm <sup>2</sup>	6mm <sup>2</sup>
	260W	275W	280W	290W	310W	315W	320W	330W			
4KW	16	16	14	14	14	12	12	12	1 set	200M	100M
5KW	20	18	18	18	16	16	16	16			
6KW	22	22	22	22	20	20	20	18			
8KW	32	32	28	28	28	24	24	24			
10KW	40	36	36	36	32	32	32	32			

# Product Introduction

## Efficient

- Wider voltage range, lower starting voltage and higher conversion efficiency.
- Adopt combined technology of T-type three level topologies and SVPWM.
- External inductor, reduce internal temperature.

## Smart

- Grid self-adaptation, no N-line AC design to meet various grid access requirements.
- Integrated global monitor management, APP with one-button registration.

## Reliable

- Aluminum casing, natural cooling, IP65 protection level.
- Adopt internationally famous brand components to ensure stable operation.

## Simple

- Home appliance design, easy to operate.
- Small in size, light in weight, easy to install by a single person.



# Specification

	BG4KTR	BG4KTR-S	BG5KTR	BG5KTR-S	BG6KTR	BG8KTR	BG10KTR	
<b>Input (DC)</b>								
Max. DC input power (W)	4800	4800	5700	5700	7200	9000	11000	
Max. DC input voltage (V)	900						1000	
MPPT range (V)	200-800/580						200-800/610	
<b>Output (AC)</b>								
Rated output power (W)	4000	4000	5000	5000	6000	8000	10000	
Max. AC output current (A)	6.4	6.4	8	8	9.6	12.6	14	
Nominal output voltage (V) / Frequency	230/400V;220/380V, 3L+N+PE/3L+PE, 50Hz/60Hz							
<b>Efficiency</b>								
Max. efficiency	98.10%	98.10%	98.10%	98.10%	98.20%	98.30%	98.30%	
Euro-efficiency	97.50%	97.50%	97.60%	97.60%	97.70%	97.80%	97.80%	
<b>Protection</b>								
Protection	DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc.							
<b>General data</b>								
LCD language	English, Chinese, German, Dutch							
Protection degree	IP65							
Operating temperature range	-25°C~+60°C(derate after 45°C)							
Dimension (H x W x D mm)	530x360x150					575x360x150		
Weight (kg)	20					23		
Grid qualification	IEC 61727(IEC62116), IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, VDE0126-1-1, VDE-AR-N4105, G59/3, C10/11, AS/NZS 4777.2:2015, NB/T 32004-2013, PEA, ZVR							
Safety certificate / EMC certificate	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011							
Factory warranty (years)	5(standard)/10(optional)							

# Applications



• Australia 10KW



• India 8KW



• Melbourne 5KW



• Melbourne 10KW



• India 8KW



• Zhejiang, China 6KW



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