

COMMERCIAL VILLAGE SOLUTION

Three Phase Grid-tied Solar Inverter

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



APP/Web Monitor



External-inductor Design



IP65



Product Liability Insurance



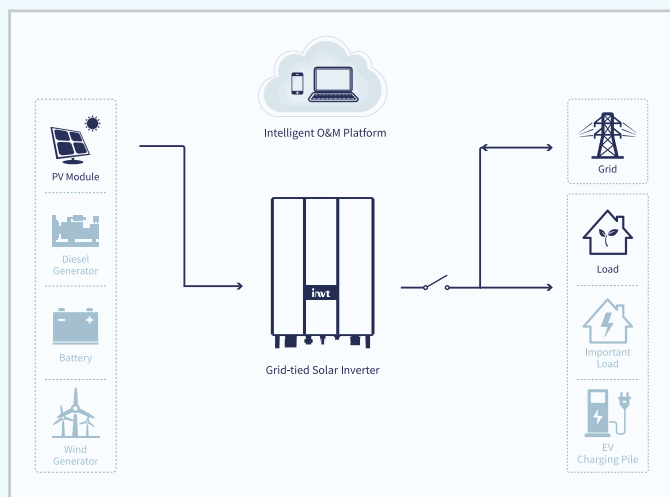
All Aluminium Case



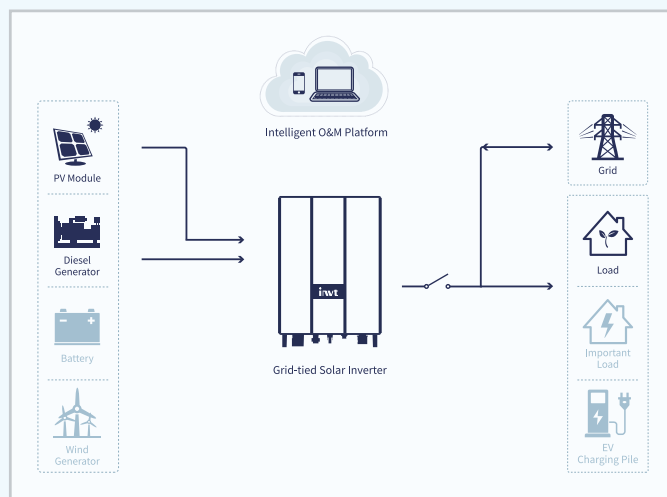
5+5 Warranty



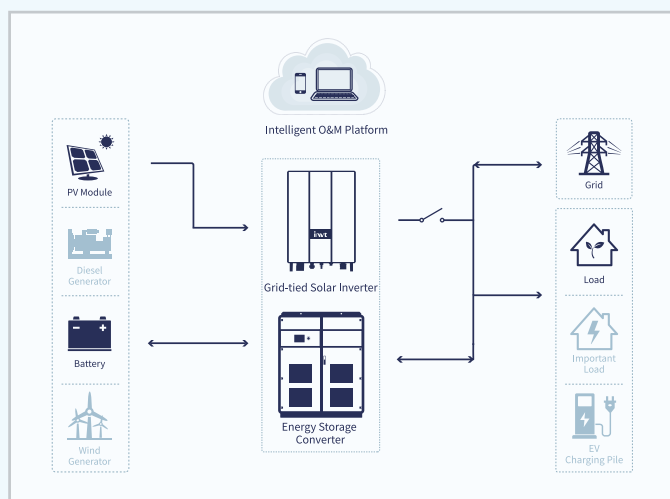
Solution



- 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					4mm²	6mm²
	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			

	BG4KTR	BG4KTR-S	BG5KTR	BG5KTR-S	BG6KTR	BG8KTR	BG10KTR
Input (DC)							
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	
Output (AC)							
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						
Efficiency							
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%
Protection							
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.						
General data							
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