

ON GRID SOLAR INVERTER

Three Phase 220V/230V

BG4KTR-US / 5KTR-US / 6KTR-US / 6KTR-LV

BG7KTR-LV / 8KTR-LV / 10KTR-LV / 7KTR-US / 8KTR-US / 10KTR-US

BG12KTR-US / 15KTR-US / 17KTR-US / 20KTR-US / 25KTR-US / 30KTR-US / 35KTR-US



APP/Web Monitor



External-inductor Design



IP65



Smart cooling



Product Liability Insurance

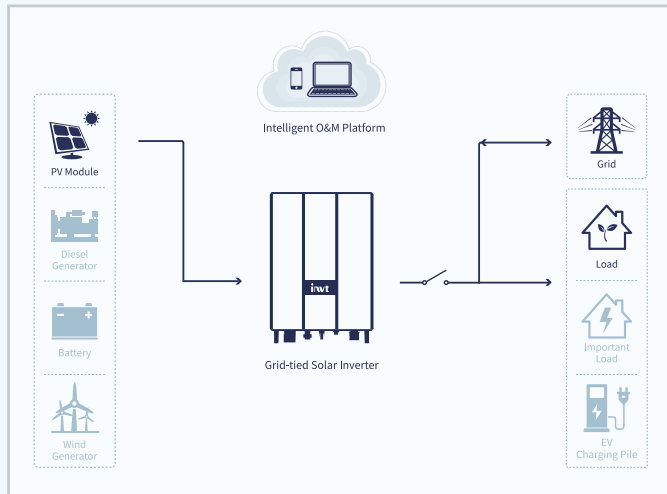


Aluminium Case

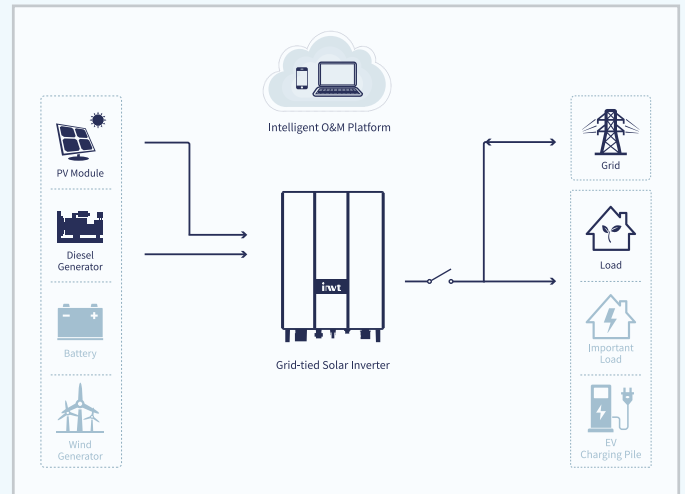


5+5 Warranty

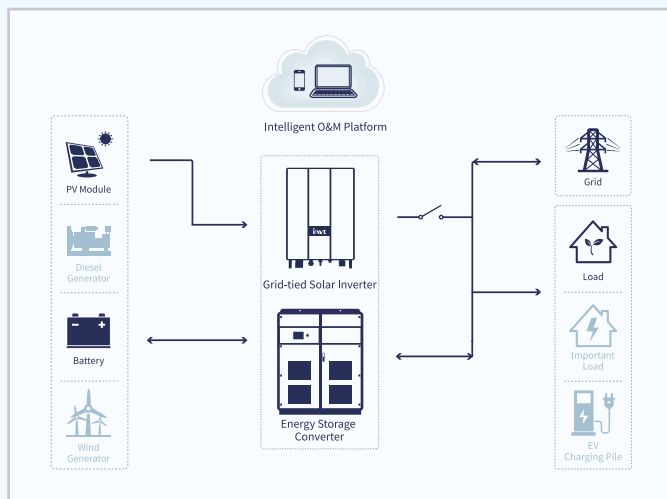
Solution



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



• Grid-tied + Diesel Generators

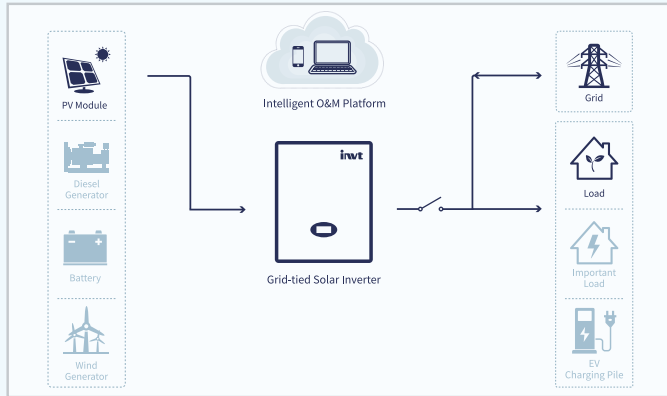


• Grid-tied + Energy Storage

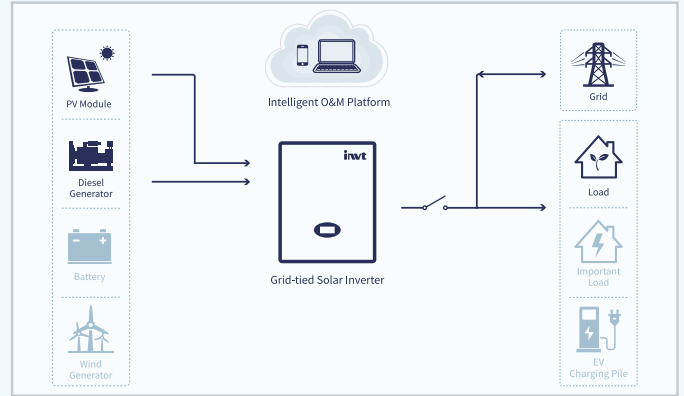
Configuration table

Inverter	Solar Panel								Mounting Structure	PV Cable	
	60 Cells				72 Cells					4mm ²	6mm ²
	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			
7KW	28	26	26	24	24	24	22	22			
8KW	32	32	28	28	28	24	24	24			
10KW	40	36	36	36	32	32	32	32			

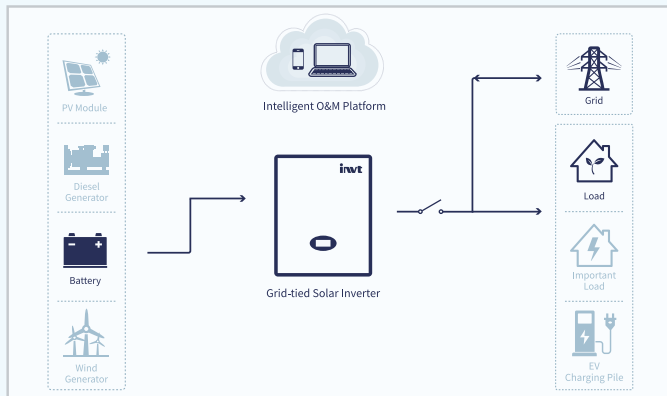
Solution



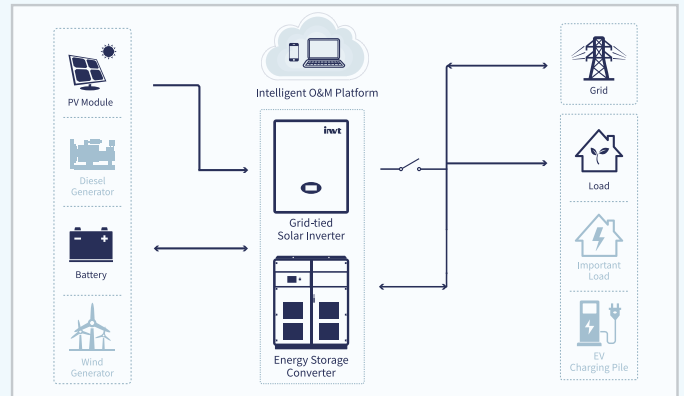
• Typical Grid-tied Solution / Smart Power Output Control System / Aging of Switching Power Supply System



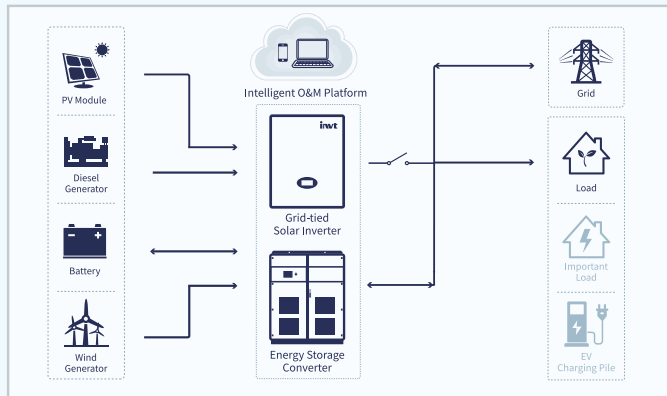
• Grid-tied + Diesel Generators



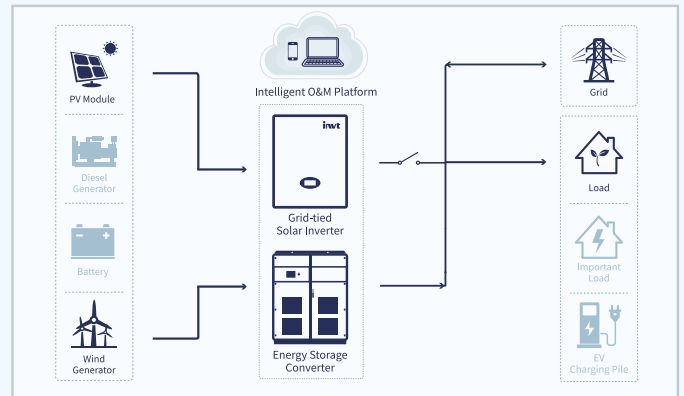
• Battery Discharge Device



• Grid-tied + Energy Storage



• Micro-grid



• Grid-tied + Wind Generators

Configuration table

Inverter	Solar Panel								Mounting Structure	PV Cable	
	60 Cells				72 Cells					4mm ²	6mm ²
	260W	275W	280W	290W	310W	315W	320W	330W			
12KW	44	44	44	44	40	40	40	36	1 set	200m	100m
15KW	60	56	54	52	48	48	48	48			
17KW	66	62	60	60	56	56	54	52			
20KW	80	72	72	72	64	64	64	64			
25KW	100	90	90	90	80	80	80	80			
30KW	120	108	108	108	96	96	96	96			
35KW	140	126	126	126	112	112	112	112			

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-US	BG5KTR-US	BG6KTR-LV
Input (DC)			
Max. DC input power (W)	4400	5300	7200
Max. DC input voltage (V)	1000		600
MPPT range (V)	180-800		120-500
Output (AC)			
Rated output power (W)	4000	5000	6000
Max. AC output current (A)	12.8	16.1	16.7
Nominal output voltage (V) / Frequency (Hz)	127/220, 3L+N+PE/3L+PE, 50/60		
Efficiency			
Max efficiency	97.60%	97.80%	96.50%
Euro-efficiency	97.00%	97.30%	96.20%
Protection			
protection	DC breaker, AC Short-circuit protection, Over voltage protection, Over current protection, Isolation protection, RCD, Surge Protection, Anti-island protection, Over-temperature protection, Ground fault monitoring		
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		
Weight (kg)	20		22
Factory warranty (years)	5(standard)/10(optional)		

Product Introduction

Efficient

- The core technologies are from Germany.
- Wider voltage range, lower starting voltage and higher conversion efficiency (Max efficiency can reach to 98.2%) .
- Two MPPT, adap to the complex conditions of roof, improve power generation.
- Adopt the latest technologies and combination of T-type three level topologies and SysExpert.

Smart

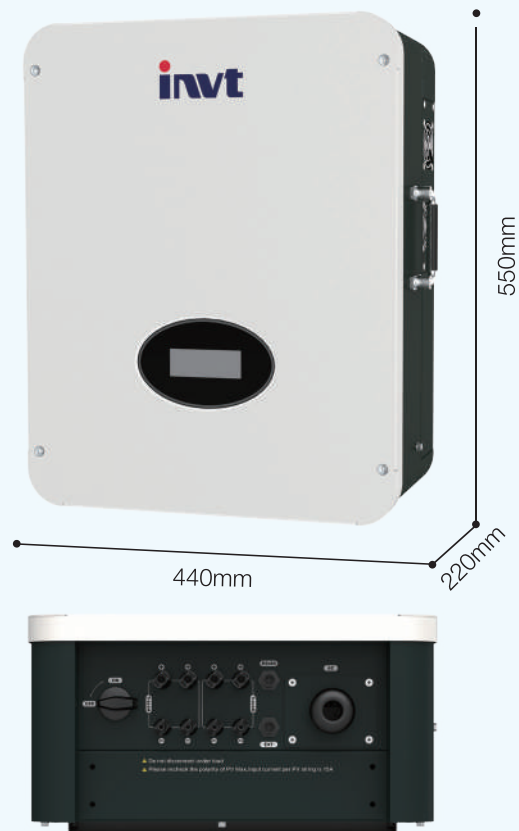
- Smart grid adaptive to meet the requirements of various power grid access.
- Variety of monitoring modes: APP (one-button registration), large screen data monitoring center, cloud monitoring platform.
- Support rs485, GPRS, WIFI, GPRS200.

Reliable

- Aluminum casing, intelligent cooling, IP65 protection level.
- Adopt internationally famous brand components to ensure the stable operation of inverter.
- Insured by well-known international property insurance company (AIG) for products /completed operations liability insurance.

Simple

- Home appliance design, easy to operate.
- Small in size, light in weight, easy to install.



Specification

	BG7KTR-LV	BG8KTR-LV	BG10KTR-LV
Input (DC)			
Max. DC input power (W)	8400	9600	12000
Max. DC input voltage (V)	600	600	600
MPPT range (V)	120-500	120-500	120-500
Output (AC)			
Rated output power (W)	7000	8000	10000
Rated AC output current (A)	21.2	24.2	30.3
Nominal output voltage (V) / Frequency (Hz)	127/220, 3L+N+PE/3L+PE, 50/60		
Efficiency			
Max. efficiency	96.80%	96.80%	96.80%
Euro-efficiency	96.60%	96.60%	96.60%
Protection			
Protection	PV array insulation, PV array leakage current protection, Ground fault monitoring, Grid monitoring, Island protection, DC monitoring, Short current protection, 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)	550x440x220		
Weight (kg)	25		
Factory warranty (years)	5(standard)/10(optional)		

Product Introduction

Efficient

- Wide input voltage range, adapt to all kinds of solar panels and string configuration.
- Dual MPPTs allow unbalanced input power. One MPPT max. input power is up to 60% of total input
- Adopt combined technology of T-type three level topologies and SVPWM.

Smart

- AC output power is adjustable between 1-100%.
- Grid self-adaptation, no N-line AC design to meet various grid access requirements.
- Integrated global monitor management, APP with one-button registration.

Reliable

- IP65 protection level, suitable for various installation environments.
- Advanced film bus capacitors, latest thermal simulation technology for longer lifespan.

Simple

- High power density, small size.
- Modular design, easy to maintain.



Specification

	BG6KTR-US	BG7KTR-US	BG8KTR-US	BG10KTR-US	BG12KTR-US	BG15KTR-US	BG17KTR-US
Input (DC)							
Max. DC input power (W)	6300	7300	8400	10500	12400	15400	17400
Max. DC input voltage (V)	1000						
MPPT range (V)	180-800		280-800		280-800		
Output (AC)							
Rated output power (W)	6000	7000	8000	10000	12000	15000	17000
Max. AC output current (A)	19.3	24.1	27.3	32	40	48	48
Nominal output voltage (V) / Frequency (Hz)	127/220, 3L+N+PE/3L+PE, 50/60						
Efficiency							
Max efficiency	98.20%	98.20%	98.30%	98.30%	98.30%	98.30%	98.40%
Euro-efficiency	97.60%	97.60%	97.80%	97.80%	97.80%	97.80%	98.00%
Protection							
protection	DC breaker, AC Short-circuit protection, Over voltage protection, Over current protection, Isolation protection, RCD, Surge Protection, Anti-island protection, Over-temperature protection, Ground fault monitoring						
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	610x480x230			660x525x220		
Weight (kg)	20	38			52		
Factory warranty	5(standard)/10(optional)						

Product Introduction

Efficient

- Wide input voltage range, adapt to all kinds of solar panels and string configuration.
- Adopt combined technology of T-type three level topologies and SVPWM.

Smart

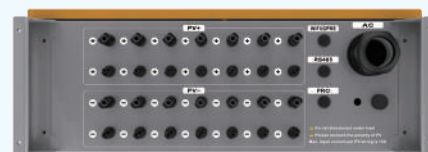
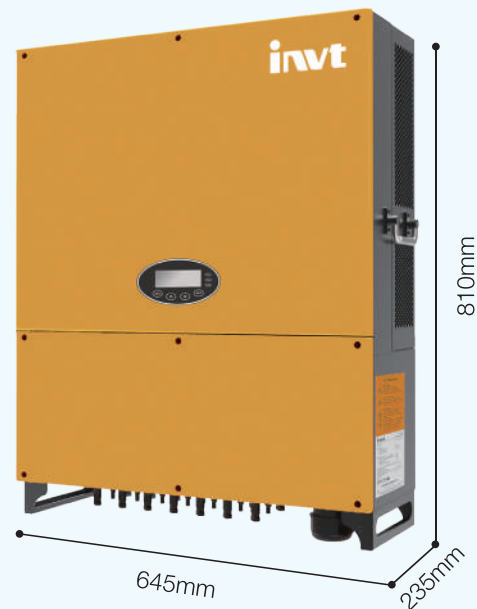
- AC output power is adjustable between 1-100%.
- Grid self-adaptation, no N-line AC design to meet various grid access requirements.
- Integrated global monitor management, APP with one-button registration.

Reliable

- IP65 protection level, suitable for various installation environments.
- Advanced film bus capacitors, latest thermal simulation technology for longer lifespan.
- Fuse-free design, avoid fuse failure to cause fire.

Simple

- High power density, small size.
- Modular design, easy to maintain.



Specification

	BG20KTR-US	BG25KTR-US	BG30KTR-US	BG35KTR-US
Input (DC)				
Max. DC input power (W)	20400	26000	33000	38500
Max. DC input voltage (V)	1100			
MPPT range (V)	570-950			
Output (AC)				
Rated output power (W)	20000	25000	30000	35000
Max. AC output current (A)	63.5	72.5	96	
Nominal output voltage (V) / Frequency (Hz)	127/220, 3L+N+PE/3L+PE, 50/60			
Efficiency				
Max. efficiency	98.90%			
Euro-efficiency	98.50%			
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)	810x645x235			
Weight (kg)	53			
Factory warranty (years)	5(standard)/10(optional)			

Applications



• India 4KW



• Kolbu, Norway 7KW



• Kongsvinger, Norway 9KW



• Mexico 7KW



• Spikkestad, Norway 10KW



• Panenlginna, Norway 9KW



• Philippines 140KW



• Mexico 10KW



Klavenesveien, Norway 15KW

