



# GROUND UTILITY SOLAR SOLUTION

Three Phase Grid-tied Solar Inverter  
BG40KTR/ 50KTR/ 60KTR/ 70KTR



APP/Web Monitor



Modular Fan Design



IP65



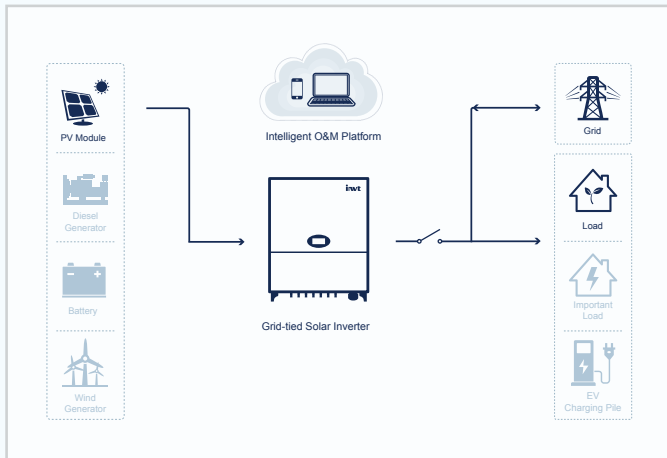
Product Liability Insurance



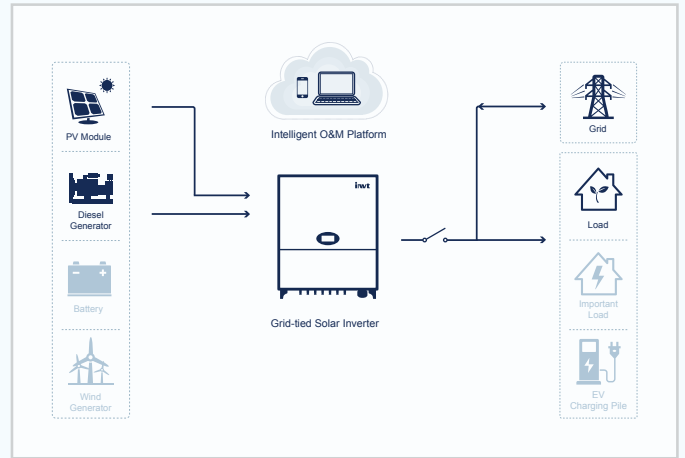
Integrated SPD



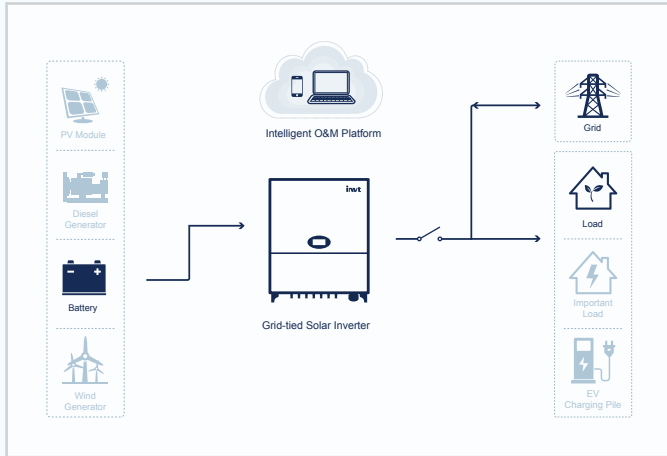
5+5 Warranty



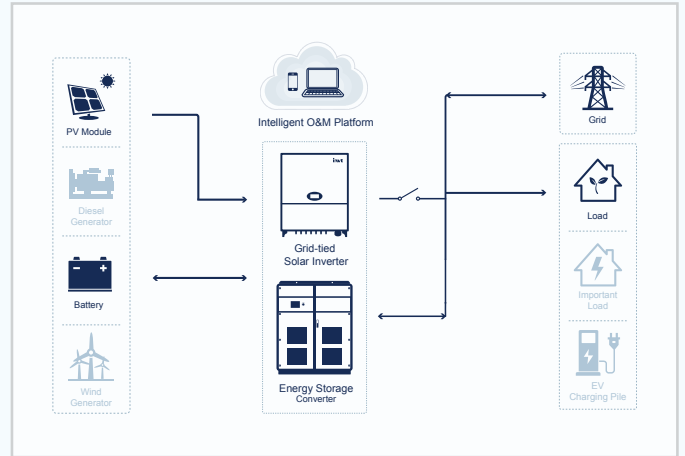
• Typical Grid-tied Solution / Smart Power Output Control System / Aging of Switching Power Supply System



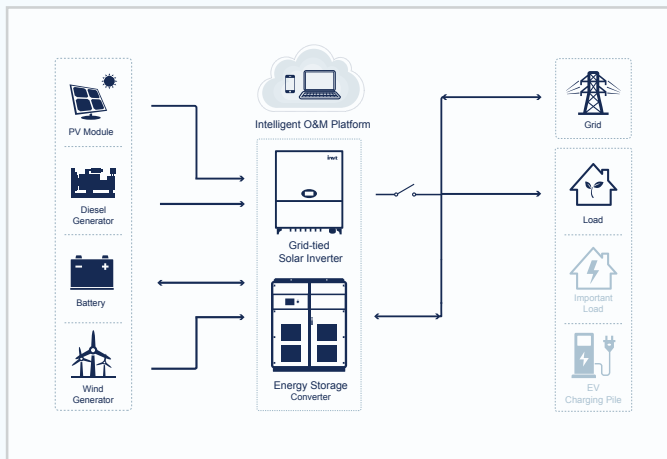
• Grid-tied + Diesel Generators



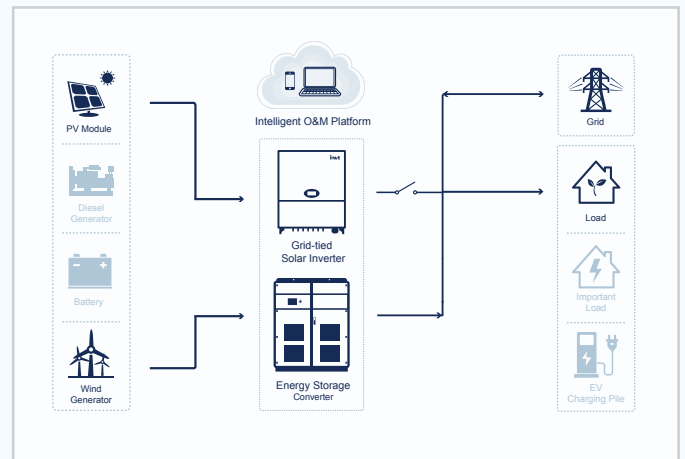
• Battery Discharge Device



• Grid-tied + Energy Storage



• Micro-grid



• Grid-tied + Wind Generators

## Configuration table

Inverter	Solar Panel								Mounting Structure	PV Cable	
	60 Cells				72 Cells					4mm <sup>2</sup>	6mm <sup>2</sup>
	260W	275W	280W	290W	310W	315W	320W	330W			
40KW	160	144	144	144	128	128	128	128	1 set	100m	200m
50KW	192	182	178	172	162	160	158	152			
60KW	230	218	214	206	194	190	182	182			
70KW	270	256	250	242	226	224	220	214			

## 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

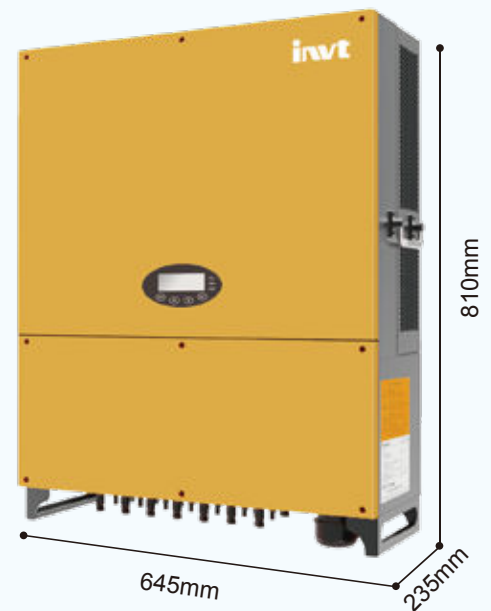
- AC output power is adjustable between 1-100%.
- Grid self-adaptation, no N-line AC design to meet various grid access requirements.
- Integrated global monitor management, APP with one-button registration.

### 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

	BG40KTR	BG50KTR	BG60KTR	BG70KTR
<b>Input (DC)</b>				
Max. DC input power (W)	55000	66000	72000	77000
Max. DC input voltage (V)	1100			
MPPT range (V)	570-950			
<b>Output (AC)</b>				
Rated output power (W)	40000	50000	60000	66000
Max. AC output current (A)	63.5	72.5	96	96
Nominal output voltage (V) / Frequency	230/400V, 3L+N+PE/3L+PE, 50Hz/60Hz			
<b>Efficiency</b>				
Max. efficiency	98.90%	98.90%	99.00%	99.00%
Euro-efficiency	98.50%	98.50%	98.50%	98.50%
<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)	810x645x235			
Weight (kg)	53			
Grid qualification	NB/T 32004-2013, TUV, CE, VDE0126-1-1, VDE-AR-N4105, G59/3,C10/11, TF3.2.1, AS/NZS 4777.2:2015, EN61000-6-1:4, EN61000-11:12, IEC62109-1:2010, PEA, ZVRT			
Safety certificate / EMC certificate	VDE-AR-N4105, AS4777/3100, CQC			
Factory warranty(years)	5(standard)10(optional)			

## Applications



• Xinjiang, China 60MW



• Chizhou, China 3.2MW



• India 200KW



INVT Solar



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