

# LARGE SCALE COMMERCIAL SOLUTION

Three Phase Grid-tied Solar Inverter

BG50KTR-LD/ BG60KTR-LD/ BG70KTR-LD/ BG80KTR-MD



APP/Web Monitor



Modular Fan Design



IP65



Product Liability Insurance

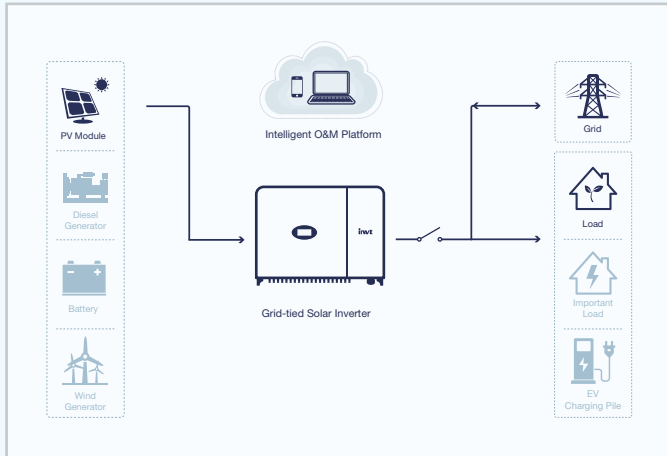


Integrated SPD

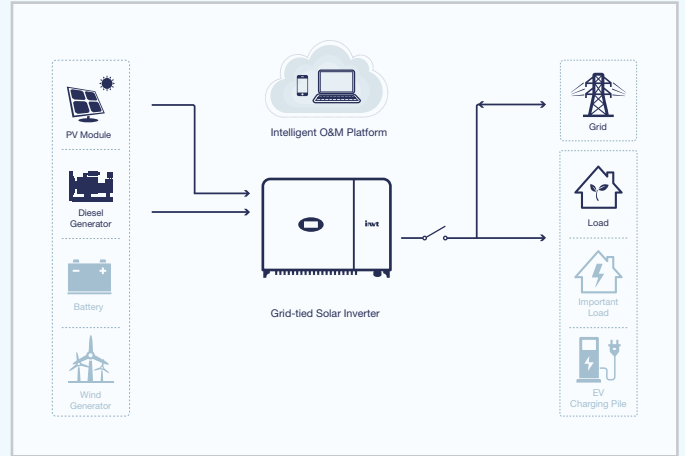


5+5 Warranty

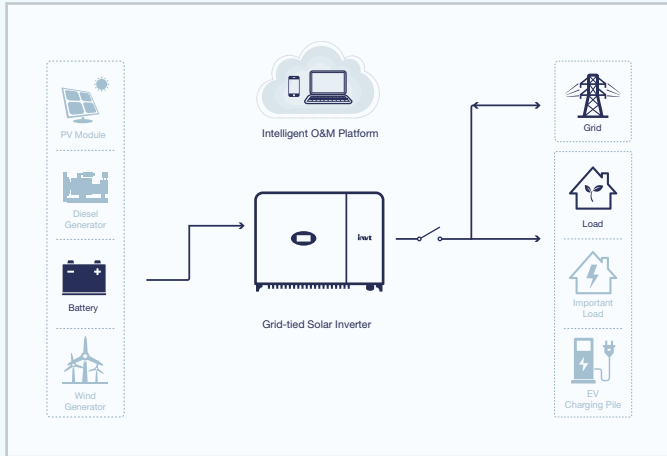
# Solution



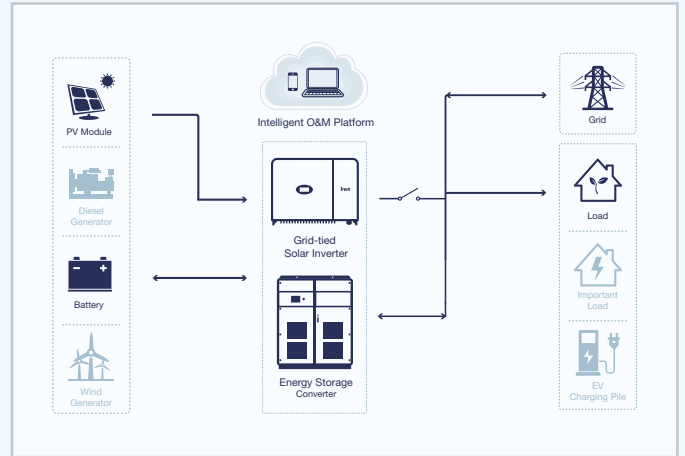
• Typical Grid-tied Solution / Smart Power Output Control System / Aging of Switching Power Supply System



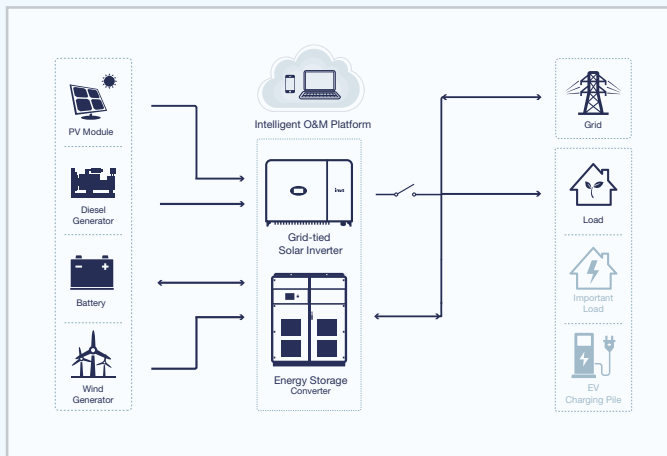
• Grid-tied + Diesel Generators



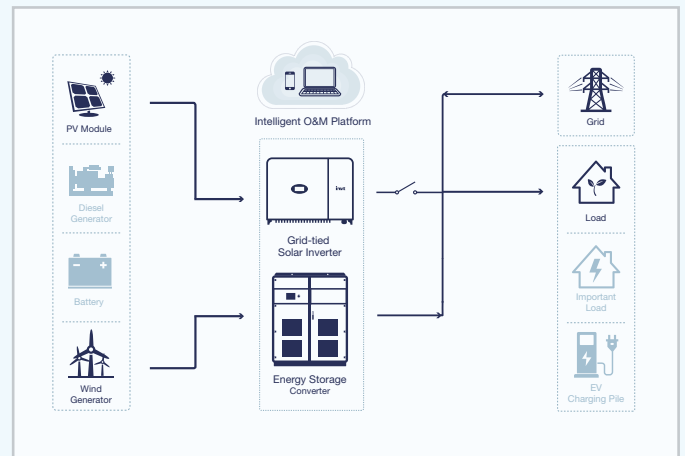
• Battery Discharge Device



• Grid-tied + Energy Storage



• Micro-grid



• Grid-tied + Wind Generators

## Configuration Table

Inverter	Solar Panel								Mounting Structure	PV Cable	
	60 Cells				72 Cells					4mm <sup>2</sup>	6mm <sup>2</sup>
	260W	275W	280W	290W	310W	315W	320W	330W			
50KW	192	182	178	172	162	160	158	152	1 set	200m	100m
60KW	230	218	214	206	194	190	182	182			
70KW	270	256	250	242	226	224	220	214			
80KW	308	290	286	276	258	254	250	242			

## Product Introduction

### Efficient

- Max. efficiency up to 98.9%.
- 4 MPPT, 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

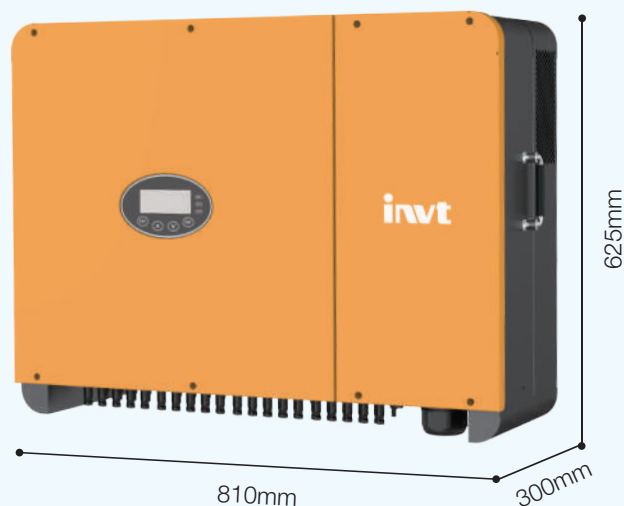
- AC output power is adjustable between 1-100%.
- Grid self-adaptation, no N-line AC design to meet various grid access requirements.
- Integrated global monitor management, APP with one-button registration.

### Reliable

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

### Simple

- High power density, modular design.
- Widthwise appearance design, easy to maintain.





# Specification

	BG50KTR-LD	BG60KTR-LD	BG70KTR-LD	BG80KTR-MD
<b>Input (DC)</b>				
Max. DC input power (W)	65000	75000	91000	104000
Max. DC input voltage (V)	1100			
MPPT Range (V)	200-1000	200-1000	200-1000	200-1000
<b>Output (AC)</b>				
Rated output power (W)	50000	60000	70000	80000
Max. AC output current (A)	80.5	96	106	106
Nominal output voltage (V) / frequency	230/400, 3L+N+PE/3L+PE, 50/60		230/420, 3L+N+PE/3L+PE, 50/60	277/480, 3L+N+PE/3L+PE, 50/60
<b>Efficiency</b>				
Max. efficiency	98.90%	98.90%	98.90%	98.90%
Euro-efficiency	98.50%	98.50%	98.50%	98.50%
MPPT efficiency	99.90%			
<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, Zero crossing, Level 2 lightning protection(40KA), level 2 lightning protection, Grid monitoring, etc.			
<b>General data</b>				
LCD language	English, Chinese			
Protection degree	IP65			
Operating temperature range	-25°C~+60°C(derate after 45°C)			
Dimension (H x W x D mm)	810x625x300			
Weight (kg)	75			
Grid qualification	VDE-AR-N4105, G83/2, C10/11, TF3.2.1, AS4777/3100, EN61000-6-1:4, EN61000-3-2:3, EN61000-11:12, IEC 62109-1:2010			
Safe certificates / EMC certificates	VDE-AR-N4105, AS4777/3100, CQC			
Factory warranty (years)	5(standard) / 10(optional)			



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