

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

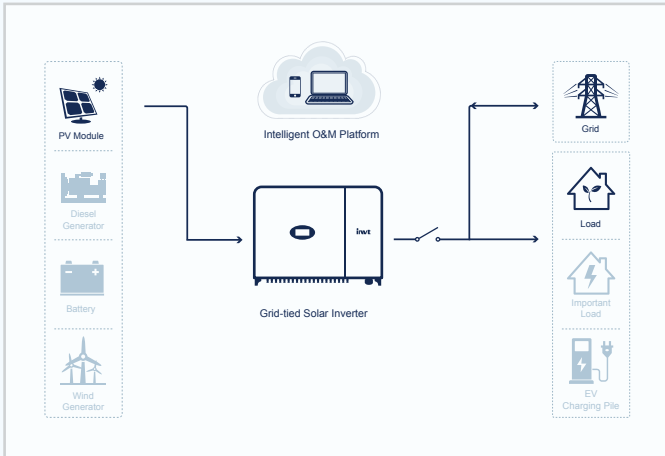


Integrated SPD

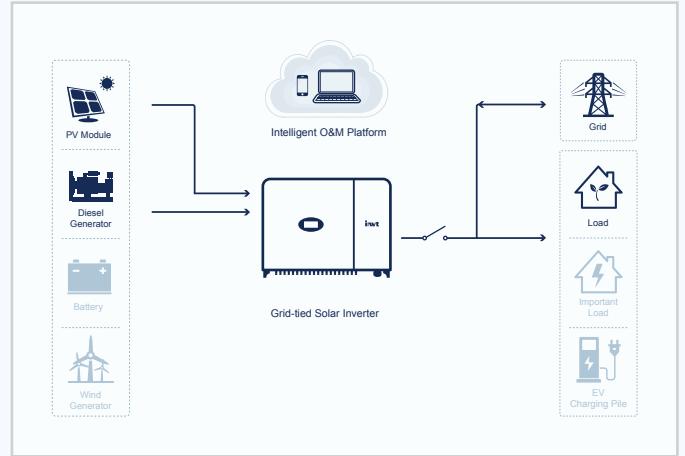


5+5 Warranty

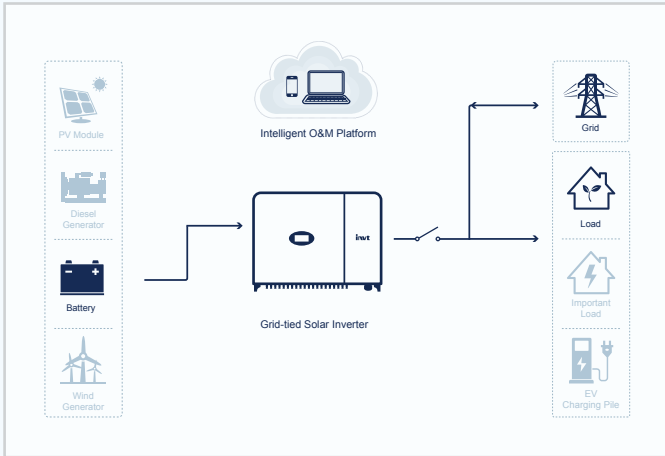
Solution



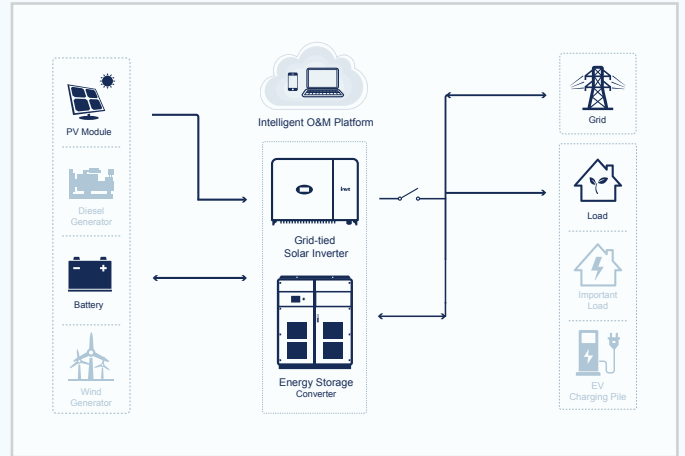
• Typical Grid-tied Solution / Smart Power Output Control System / Aging of Switching Power Supply System



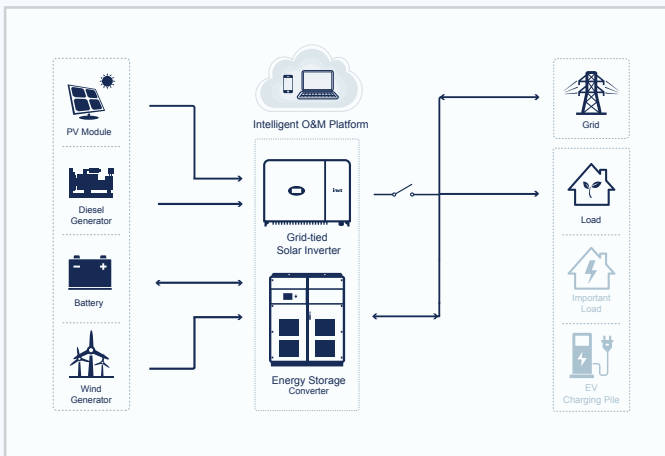
• Grid-tied + Diesel Generators



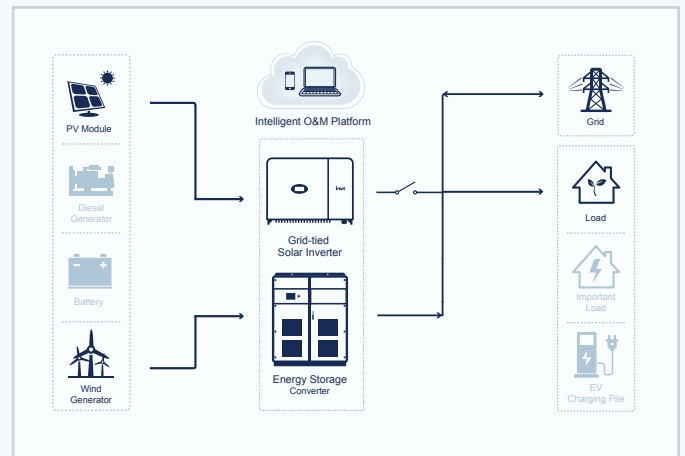
• Battery Discharge Device



• Grid-tied + Energy Storage



• Micro-grid



• Grid-tied + Wind Generators

Configuration Table

Inverter	Solar Panel								Mounting Structure	PV Cable	
	60 Cells				72 Cells					4mm ²	6mm ²
	260W	275W	280W	290W	310W	315W	320W	330W			
50KW	192	182	178	172	162	160	158	152	1 set	100m	200m
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
Input (DC)				
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
Output (AC)				
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	230/480, 3L+N+PE/3L+PE, 50/60
Efficiency				
Max. efficiency	98.90%	98.90%	98.90%	98.90%
Euro-efficiency	98.50%	98.50%	98.50%	98.50%
MPPT efficiency	99.90%			
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, Zero crossing, Level 2 lightning protection(40KA), level 2 lightning protection, Grid monitoring, etc.			
General data				
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)			



Sales E-mail: solar@invt.com.cn Service E-mail: solar-service@invt.com.cn Website: www.invt-solar.com