



GROUND UTILITY SOLAR SOLUTION

Three Phase Grid-tied Solar Inverter

BG40KTR/ 50KTR/ 60KTR/ 70KTR



APP/Web Monitor



External- Fan Design



IP65



Product Liability Insurance

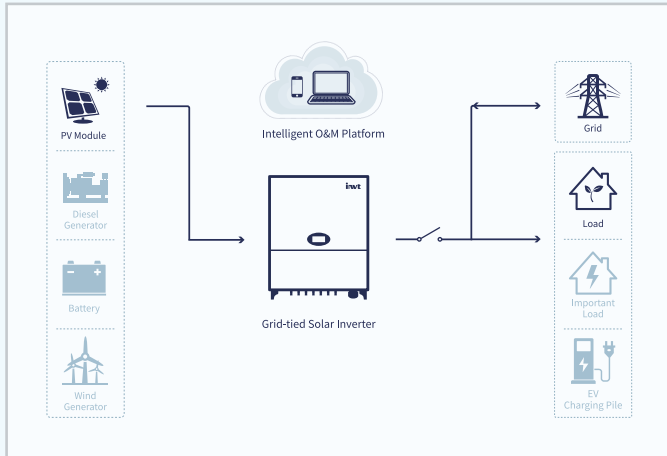


Integrated SPD

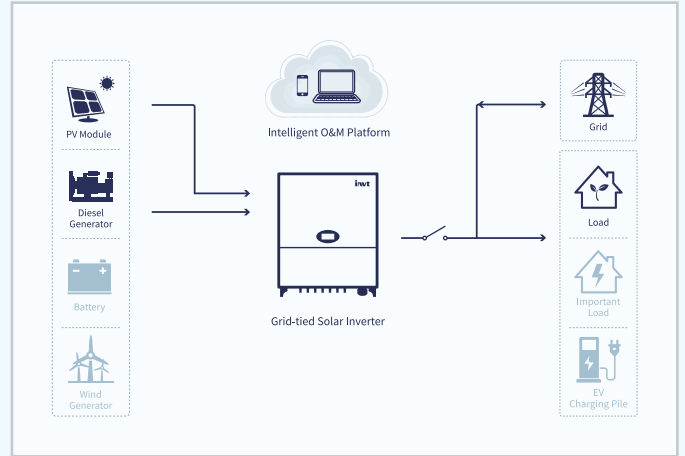


5+5 Warranty

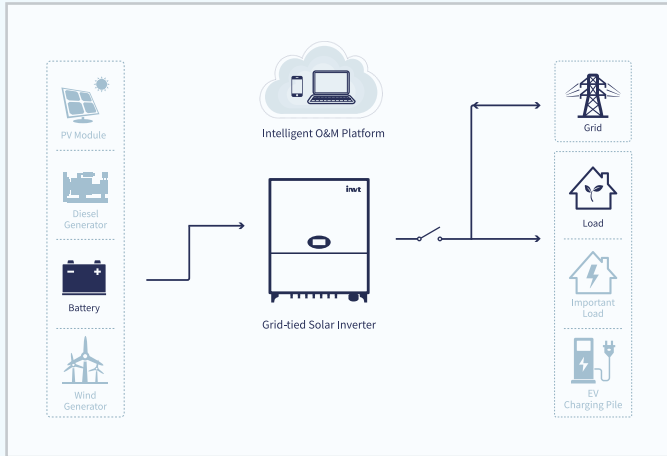
Solution



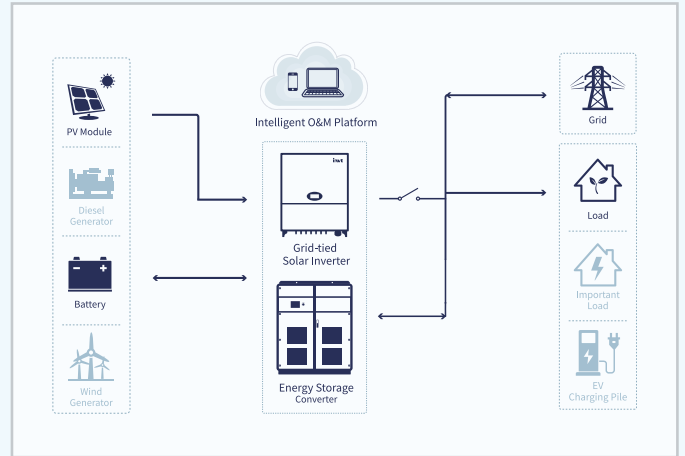
• Typical Grid-tied Solution / Smart Power Output Control System / Aging of Switching Power Supply System



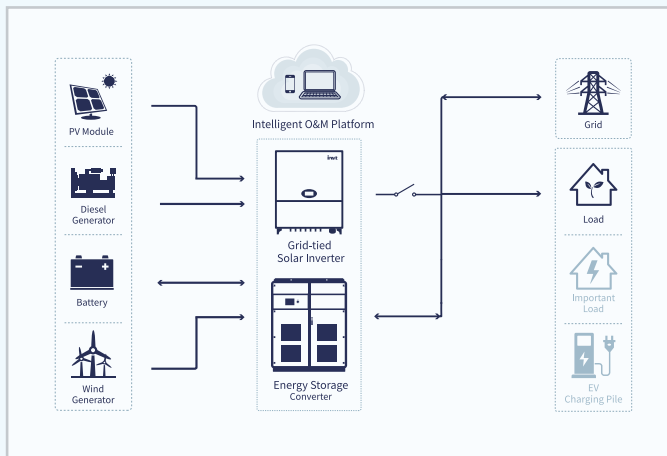
• Grid-tied + Diesel Generators



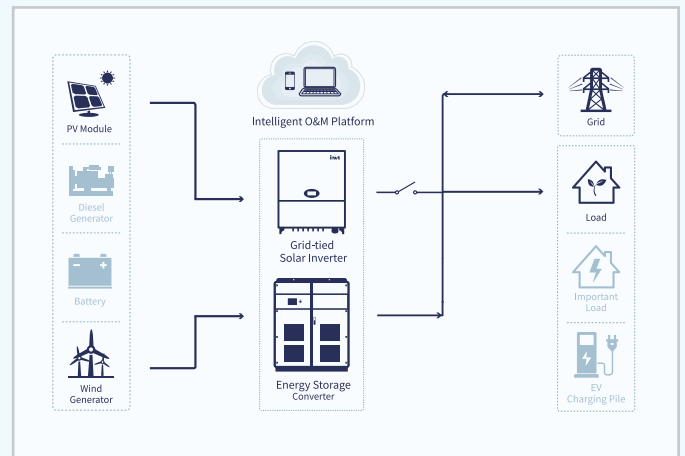
• Battery Discharge Device



• 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			
40KW	160	144	144	144	128	128	128	128	1 set	200m	100m
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

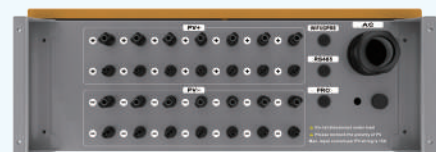
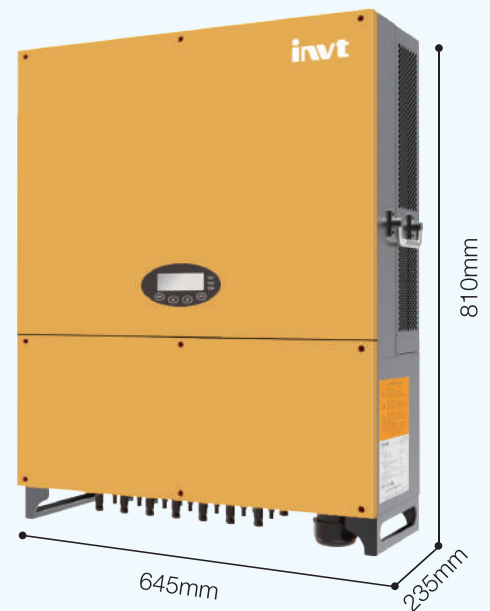
- AC output power is adjustable between 1-100%.
- Grid self-adaptation, no N-line AC design to meet various grid access requirements.
- Integrated global monitor management, APP with one-button registration.

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
Input (DC)				
Max. DC input power (W)	55000	66000	72000	77000
Max. DC input voltage (V)	1100			
MPPT range (V)	570-950			
Output (AC)				
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			
Efficiency				
Max. efficiency	98.90%	98.90%	99.00%	99.00%
Euro-efficiency	98.50%	98.50%	98.50%	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			
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



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