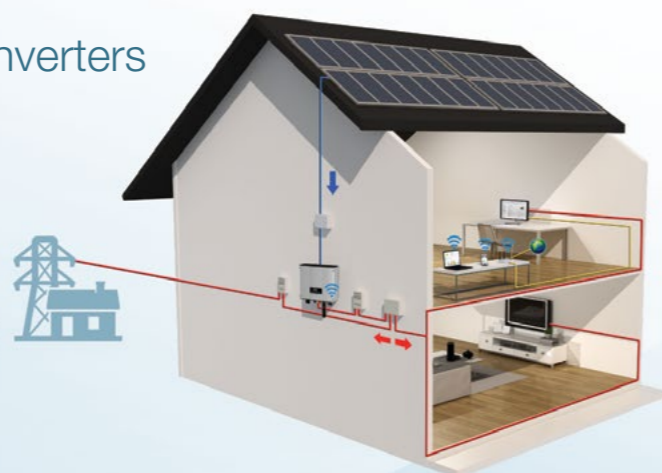


iMars B Series

Three Phase Grid-tied Solar Inverters

BG4KTR
BG5KTR
BG6KTR



Description

MG Three phase series Solar inverters is a new generation of PV string inverter which has been developed by INVT for residential users. It adopts the latest technologies combination of T type three level topology and SVPWM, MG series inverters have the advantages of compact size, light weight, easy installation and maintenance, and most of all, cost-efficient. It also provides flexible system configuration and monitoring solutions for household and commercial systems.

Features

- The core technology from Germany.
- Software optimization for the power grid with much wider adaptability.
- Global integrated monitoring and management, supporting all kinds of portable mobile devices, HMI is optional.
- Wide voltage range, low starting voltage and higher conversion efficiency.
- Designed with latest thermal simulation technology for longer service life.

HMI Features

- Small and exquisite appearance .
- LCD display and easy to operate keyboard with multiple functions.
- Plug & Play.

Specification

	BG4KTR	BG5KTR	BG6KTR
Input (DC)			
Max. DC Voltage (V)	900		
Starting Voltage (V)	220		
Min. Operation Voltage (V)	180		
MPPT Operating Voltage Range (V)	200-800/580		
Rated Power Voltage Range (V)	210-800	260-800	300-800
Number Of MPPT / String Per MPPT	2/2		
Max. DC Power (W)	4200	5200	6200
MAX.DC Current (A) Per MPPT x Number of MPPT	10x2	10x2	10x2
DC Switch	Optional		
Output (AC)			
Rated Power (W)	4000	5000	6000
Max.AC Current (A)	10	10	10
Rated AC Voltage Range	3/N/PE, 230/400V, (320-460V);3/N/PE,220/380V,(320-460V) According to VDE0126-1-1, VDE-AR-N4105, CQC, G59/3,C10/11, AS4777/3100.		
Grid Frequency	50Hz(47-51.5Hz) / 60Hz(57-61.5Hz) According to VDE0126-1-1, VDE-AR-N4105, CQC, G59/3,C10/11, AS4777/3100.		
Power Factor	-0.8~+0.8 (Adjustable)		
THD	< 3% (at rated power)		
AC Connection	Three-phase (L1、L2、L3、N、PE)		
System			
Cooling	Smart Cooling		
Max. Efficiency	98.10%	98.10%	98.20%
Euro-efficiency	97.50%	97.60%	97.70%
MPPT Efficiency	99.9%		
Protection Degree	IP65		
Consumption At Night	<0.5W		
Isolation Mode	Transformerless		
Operating Temperature	-25°C~+60°C, derate after 45°C(-77° F~+140° F, derate after 113° F)		
Relative Humidity	0-95%, no condensation		
Protection	DC isolation monitoring, grounding fault monitoring, island protection, overvoltage and short circuit protection, etc		
Noise	< 30dB		
Display And Communication			
LCD Display / Language	Display and keymodule is optional/Multiple languages		
LED Display	Integrated		
Communication Mode	RS485 (Standard) , WiFi, Ethernet (Optional)		
Mechanical Parameters			
Diminsion (H x W x D mm)	530x360x150		
Weight(kg)	< 22		
Installation	Wall mounting		
Others			
DC Terminal	MC4		
Certifications	VDE0126-1-1, VDE-AR-N4105, G59/3, C10/11, AS4777/3100, CQC EN61000-6-1:4, EN61000-11:12, IEC62109-1:2010, PEA, ZVR		