



Products

Industrial Automation

Network Power

- Uninterruptible Power Supply
- Solar Power Generation
- String Inverter
- Battery Storage Inverter
- Solar Terminal Options
- Solar System Monitoring Software
- Electricity Governance

New Energy Vehicle

Rail Transit

String Inverter

Current location : Home Products Network Power Solar Power Generation



BG 50-60kW Series Three - phase String Type

iMars BG 50-60KW three-phase grid tied photovoltaic inverter is photovoltaic inverters INVT designed for commercial users and distributed generation. In development, it uses advanced T type three level topology and SVPWM (space vector pulse width modulation) technique combined with high power density, simple installation of modular design, simple maintenance and high cost performance, it is a flexible system for distributed photovoltaic power generation system and ground photovoltaic power plant solutions.



Share

Features Specification Classic Case Data Download

Support

Inquiry

Model	BG50KTR	BG60KTR
DC input parameter		
Maximum DC input power (W)	54300	66000
Maximum DC input voltage (V)	1100	
Starting voltage (V) / minimum operating voltage (V)	300/280	
MPPT operating voltage range (V)	280 - 900	
MPPT number /	2/5	
Each group MPPT can access group		



string number		
Each group has MPPT maximum input current (A) x	42x2	
MPPT number		
DC switch	Integration	
AC output parameter		
Rated output power (W)	50000	60000
Maximum AC output current (A)	52	56.7
Grid voltage range	3/N/PE,310/540V,(459~594V)	3/N/PE,381/660V,(561~726V)
Frequency range of power grid	50Hz (47~51.5Hz) / 60Hz (57~61.5Hz)	
Power factor	-0.8~+0.8 (adjustable)	
Harmonic distortion	< 3% (rated power)	
AC output	3PH (L1, L2, L3, N, PE)/(L1, L2, L3, PE)	
System		
Cooling method	Smart air cooling	
Maximum efficiency	98.90%	
European efficiency	98.60%	
MPPT efficiency	99.90%	
Protection level	IP65	
Night wear (W)	<0.5	
Topology	No transformer	
Operating ambient temperature	-25°C~+60°C (auto derating if 45°C is exceeded)	
Relative humidity	0~95%, no condensation	
Protection function	PV array insulation impedance protection, photovoltaic array leakage current protection, ground fault monitoring, power grid monitoring, islanding protection, DC monitoring, short-circuit protection, etc.	
Noise (dB)	< 55	



Online Service

[top](#)

Display and communication	
Display	3.5 inch LCD display support backlit display
System language	Chinese, English, German, Dutch
Operation button	Integration
Communication mode	RS485 (standard) , WiFi, Ethernet (optional)]
Mechanical parameter	
Volume (H, x, W, x, D, mm)	645x660x225
Weight (kg)	62
Installation method	Wall installation
Others	
DC input terminal	MC4
Grid-connected standard	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 certification / EMC level	IEC 62109-1 : 2010 , IEC 62109-2 : 2011 , EN 61000-6-2: 2005 ,
	EN 61000-6-3:2007/A1:2011
Warranty (year)	5

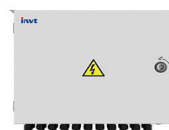


[Return List](#)

Related Products Recommended



Solar System Design Software (iMars SysExpert)



Smart Solar Combiner Box



Communication Options (iMars WIFI200/ENET200/GPRS200)



BG 20-40kW Series T phase String Typ

[About INVT](#)

[Products and Solutions](#)

[Service and Support](#)



[Corporate Introduction](#)

[Industrial Automation](#)

[Industrial Internet of Things](#)

[Service Introduction](#)

[Authorization Channel Pa](#)

[Network Power](#)

[Industrial Robot](#)