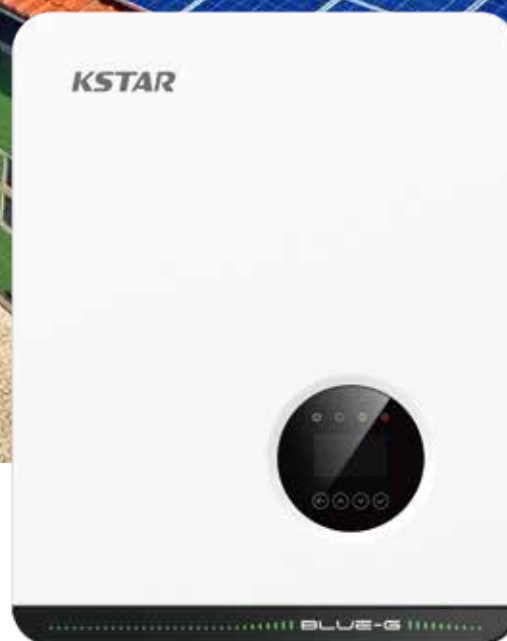




# BLUE-G THREE PHASE SERIES

BluE-3K-M1 / BluE-4K-M1 / BluE-5K-M1 /  
BluE-6K-M1 / BluE-8K-M1 / BluE-10K-M1 / BluE-12K-M1



## PV On-Grid String Inverter



Max. PV voltage up to 1100V  
Type II DC /AC SPD



Compatible for big capacity PV panel  
WiFi / 4G Plug optional



DC/AC ratio up to 2  
IP66 protection



High efficiency up to 98.6%  
Smaller and lighter

MODEL	BluE-3KT-M1	BluE-4KT-M1	BluE-5KT-M1	BluE-6KT-M1	BluE-8KT-M1	BluE-10KT-M1	BluE-12KT-M1
<b>Input(DC)</b>							
Max. DC Voltage	1100V	1100V	1100V	1100V	1100V	1100V	1100V
Nominal Voltage	620V	620V	620V	620V	620V	620V	620V
Start Voltage	250V	250V	250V	250V	250V	250V	250V
MPPT Voltage Range	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V
Number of MPPT Tracker	2	2	2	2	2	2	2
Strings Per MPPT Tracker	1	1	1	1	1	1	1
Max. Input Current Per MPPT	15A	15A	15A	15A	15A	15A	15A
Max. Short-circuit Current Per MPPT	20A	20A	20A	20A	20A	20A	20A
<b>Output(AC)</b>							
Nominal AC Output Power	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Maximum AC Output Power	3300VA	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Nominal AC Voltage	400V 3L+N						
AC Grid Frequency Range	50 / 60Hz(±5Hz)						
Maximum Output Current	4.8A	6.4A	8.0A	9.6A	12.8A	16.0A	19.2A
Power Factor(Φ)	0.8leading-0.8lagging						
THDi	3%						
<b>Efficiency</b>							
Max. Efficiency	98.4%	98.4%	98.4%	98.4%	98.6%	98.6%	98.6%
Euro Efficiency	97.5%	97.5%	97.5%	97.5%	98.0%	98.1%	98.1%
<b>Protection devices</b>							
DC Switch	Yes						
Output Over Current	Yes						
Anti-islanding Protection	Yes						
DC Reverse Polarity Protection	Yes						
String Fault Detection	Yes						
AC/DC Surge Protection	DC: Type II / AC: Type III / Type II Optional						
Insulation Detection	Yes						
AC Short Circuit Protection	Yes						
<b>General Specifications</b>							
Dimensions W x H x D	380x483x161mm						
Weight	<17kg						
Operating Temperature Range	-25°C~+60°C						
Cooling Type	Natural cooling						
Max. Operation Altitude	4000m						
Max. Operation Humidity	0-100%(No condensation)						
AC Output Terminal Type	Connector						
IP Class	IP66						
Topology	Transformer-less						
Communication	RS485/Wifi/4G						
Display	LCD						
Certification & Standard	EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727; EN50549-1;AS 4777.2;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11;NB/T32004-2018 ; GB/T19964-2012						

\* Specifications subject to change without prior notice.

**KSTAR**

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