

KSTAR

BluE-G SINGLE PHASE SERIES

BluE-G 3000S-M1 / BluE-G 3000D-M1 /
BluE-G 4000D-M1 / BluE-G 5000D-M1 /
BluE-G 6000D-M1



String Grid-Tied PV Inverter



Max. PV voltage up to 600V
DC/AC ratio up to 1.5



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



Type II DC SPD/Type III AC SPD
IP65 protection



High efficiency up to 98.3%
Smaller and lighter

MODEL	3000S-M1	3000D-M1	4000D-M1	5000D-M1	6000D-M1
Input(DC)					
Max. DC Power	4050W	4050W	5670W	6750W	8100W
Max. DC Voltage	600V	600V	600V	600V	600V
Nominal Voltage	380V	380V	380V	380V	380V
Start Voltage	100V	100V	100V	100V	100V
MPPT Voltage Range	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V
Number of MPPT Tracker	1	2	2	2	2
Strings Per MPPT Tracker	1	1	1	1	1
Max. Input Current Per MPPT	15A	15A	15A	15A	15A
Max. Short-circuit Current Per MPPT	18A	18A	18A	18A	18A
Output(AC)					
Nominal AC Output Power	3000W	3000W	4000W	5000W	6000W
Max. AC Apparent Power	3300VA	3300VA	4400VA	5500VA	6000VA
Nominal AC Voltage	230V L-N / 15%Un~+10%Un				
AC Grid Frequency Range	50Hz / 60Hz(47.5~52Hz)				
Max. Output Current	14.4A	14.4A	19A	24A	26A
Power Factor(cosΦ)	0.8 leading ~ 0.8 lagging				
THDi	<3%				
Efficiency					
Max. Efficiency	98.1%	98.1%	98.3%	98.3%	98.3%
Euro Efficiency	97.7%	97.7%	97.9%	97.9%	97.9%
Protection devices					
DC Switch	Yes	Yes	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes	Yes
Output Over Current	Yes	Yes	Yes	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes	Yes
String Fault Detection	Yes	Yes	Yes	Yes	Yes
Surge Protection	DC: Type II / AC: Type III				
Insulation Detection	Yes	Yes	Yes	Yes	Yes
AC Short Circuit Protection	Yes	Yes	Yes	Yes	Yes
General Specifications					
Dimensions W x H x D	380X380X150mm				
Weight	10kg	10kg	11kg	11kg	11kg
Operating Temperature Range	-25°C~+60°C				
Cooling Type	Natural				
Max. Operation Altitude	≤4000m				
Max. Operation Humidity	0-100%				
AC Output Terminal Type	Quick Connector				
IP Class	IP65				
Topology	Transformer less				
Communication	RS485/WIFI/4G				
Display	LCD				
Certification & Standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN61000-6-1;IEC/EN61000-6-2;IEC/EN61000-6-3;IEC/EN61000-6-4;IEC/EN61000-3-2;IEC/EN61000-3-3;IEC/EN61000-3-11;IEC/EN61000-3-12;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;VDE-AR-N-4105;VDE0126				