

# BluE-G SINGLE PHASE SERIES

BluE-G 3000D/4000D/5000D/5000D-AU/6000D



## String Grid-Tied PV Inverter

BluE-G 3000D/4000D/5000D/5000D-AU/6000D

- \* Max. PV voltage up to 600V
- \* DC/AC ratio up to 1.35
- \* High efficiency up to 98.3%
- \* Smaller and lighter
- \* Compatible for big capacity PV panel
- \* Type II DC SPD/Type III AC SPD
- \* WiFi / 4G Plug optional
- \* IP65 protection

MODEL	BluE-G 3000D	BluE-G 4000D	BluE-G 5000D	BluE-G 5000D-AU	BluE-G 6000D
<b>Input(DC)</b>					
Max. recommended PV power	4050W	5400W	6750W	6750W	8100W
Max. DC voltage	600V	600V	600V	600V	600V
Nominal voltage	380V	380V	380V	380V	380V
Start voltage	100V	100V	100V	90V / 100V	100V
MPPT voltage range	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V
Number of MPP tracker	2	2	2	2	2
Strings per MPP 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
<b>Output(AC)</b>					
Nominal AC output power	3000W	4000W	5000W	4999W	6000W
Max. AC apparent power	3300VA	4400VA	5500VA	4999VA	6000VA
Nominal AC voltage	230V L-N	230V L-N	230V L-N	230V L-N	230V L-N
AC grid frequency range	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz
Max. output current	14.5A	19A	24A	21.7A	26A
Power factor (cosΦ)	0.8 leading ~ 0.8 lagging				
THDi	<3%				
<b>Efficiency</b>					
Max. efficiency	98.1%	98.3%	98.3%	98.3%	98.3%
Euro efficiency	97.7%	97.9%	97.9%	97.9%	97.9%
<b>Protection devices</b>					
DC switch	Yes	Yes	Yes	No	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
<b>General Specifications</b>					
Dimensions W x H x D (mm)	380X380X150				
Weight(kg)	10	11	11	11	11
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/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116; IEC61727;EN50549-1;AS 4777.2;NRS 097;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11;TED749; UNE217001;UNE217002;NB/T32004-2018 ; GB/T19964-2012;INMETRO				

\*Specifications subject to change without prior notice.

**KSTAR**

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