

Blue-G SERIES

3000S/3000D/4000D/5000D



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- * Max. PV voltage up to 600V
- * DC/AC ratio up to 1.35
- * High efficiency up to 97.8%
- * Smaller and lighter
- * Type II DC SPD/Type III AC SPD
- * Reactive power controller
- * WiFi / 4G Plug optional
- * IP65 protection

MODEL	BluE-G 3000S	BluE-G 3000D	BluE-G 4000D	BluE-G 5000D
Input(DC)				
Max. recommended PV power	4050W	4050W	5400W	6750W
Max. DC voltage	600V	600V	600V	600V
Nominal voltage	380V	380V	380V	380V
Start voltage	100V	100V	100V	90V / 100V
MPPT voltage range	80V-550V	80V-550V	80V-550V	80V-550V
MPPT voltage range at full load	280V-480V	160V-480V	210V-480V	210V-480V
No. of MPPT	1	2	2	2
No. of Strings per MPPT	1	1	1	1
Number of strings input	1	2	2	2
Max. input current per MPPT	12.5A	11A / 11A	11A / 11A	12.5A / 12.5A
Max. short-circuit current per MPPT	15.6A	13.2A	13.2A	15.6A
Output(AC)				
Nominal AC output power	3000W	3000W	4000W	4999W
Max. AC apparent power	3300VA	3300VA	4400VA	4999VA
Max. AC output power	3300W	3300W	4400W	4999W
Nominal AC voltage	230V	230V	230V	230V
AC grid frequency range	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz
Rated output current	13A	13A	17.4A	21.7A
Max. output current	14.5A	14.5A	19A	21.7A
Power factor (cosΦ)	0.8 leading ~ 0.8 lagging			
THDi	<3%			
Efficiency				
Max. efficiency	97.8%			
Euro efficiency	97.5%			
Protection devices				
DC switch	Yes	Yes	Yes	No
Anti-islanding protection	Yes	Yes	Yes	Yes
Output over current	Yes	Yes	Yes	Yes
DC reverse polarity protection	Yes	Yes	Yes	Yes
String fault Detection	Yes	Yes	Yes	Yes
AC/DC surge protection	DC Type II; AC Type III			
Insulation detection	Yes	Yes	Yes	Yes
AC short circuit protection	Yes	Yes	Yes	Yes
AFCl protection	Option			
General Specifications				
Dimensions W x H x D (mm)	380X380X150			
Weight(kg)	10	10	11	11
Operating temperature range	-25°C~+60°C			
Cooling type	Natural cooling			
Max. operation altitude	≤ 4000m			
Max. operation humidity	0-100%			
DC Input terminal type	Vacom			
AC Output terminal type	Quick connector			
IP class	IP65			
Topology	Transformer less			
Communication	RS485/WIFI/GPRS			
Display	LCD			
Certification & Standard	EN/IEC62109-1; EN/IEC62109-2; IEC/EN61000-6-2; IEC/EN61000-6-4; IEC61683; IEC60068; IEC60529; IEC62116; IEC61727; EN50549-1; AS 4777.2; NB/T32004-2018; GB/T19964-2012			

Specifications subject to change without prior notice.

KSTAR

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