KSTAR
Powering the Future

BluE Series

Three Phase / On-grid / 15–25 kW

- Max. PV Voltage up to 1100 V
  Type II DC / AC SPD
- Compatible for Big Capacity PV Panel
  WiFi / 4G Plug Optional
- DC / AC Ratio up to 1.3
  IP66 Protection
- High Efficiency up to 98.6%
  Smaller and Lighter



MODEL	BluE-15KT-M1	BluE-17KT-M1	BluE-20KT-M1	BluE-25KT-M1
Input (DC)				
Max. DC Voltage	1100 V			
Nominal Voltage	650 V			
Start Voltage	250 V			
MPPT Voltage Range	140 V ~ 1000 V			
Number of MPPT Tracker	2			
Strings per MPPT Tracker	2 / 1	2	2	2
Max. input Current per MPPT	30 A / 15 A	30 A	30 A	30 A
Max. Short-circuit Current per MPPT	40 A / 20 A	40 A	40 A	40 A
Output (AC)				
Nominal AC Output Power	15000 W	17000 W	20000 W	25000 W
Max. AC Output Power	16500 VA	18700 VA	22000 VA	27500 VA
Nominal AC Voltage	400 / 230 V, 3P+N+PE			
AC Grid Frequency Range	50 Hz / 60 Hz ±5Hz			
Max. Output Current	23.9 A	27.1 A	31.9 A	39.9 A
Power Factor (cosΦ)	0.8 leading - 0.8 lagging			
THDi	3%			
Efficiency				
Max. Efficiency	98.6%			
Euro Efficiency	98.2%	98.3%	98.3%	98.3%
Protection Devices				
DC Switch	Yes			
Anti-islanding Protection	Yes			
Output Over Current 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			
General Specifications				
Dimensions (W x H x D)	380 x 483 x 193 mm			
Weight	20.7 kg			
Operating Temperature Range	–25°C ~+ 60°C			
Cooling Type	Fan Cooling			
Max. Operating Altitude	4000 m			
Max. Operating Humidity	0 ~ 100% (No condensation)			
AC Output Terminal Type	Connector			
IP Class	IP66			
Topology	Transformerless			
Communication Interface	RS-485 / WIFI / 4G			
Display	LCD			
Certification & Standard	EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN 61000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G99; C10/11; NB/T 32004-2018; GB/T 19964-2012			

© 2024 Shenzhen KSTAR New Energy Co.,Ltd. All rights reserved. Data subject to change without prior notice.