

BLUE SERIES THREE PHASE

BluE-3K-M1 / 4K-M1 / 5K-M1 /
6K-M1 / 8K-M1 / 10K-M1 / 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
Input(DC)							
Max. DC Voltage	1100V	1100V	1100V	1100V	1100V	1100V	1100V
Nominal Voltage	620V	620V	620V	620V	620V	620V	620V
Start Voltage[1]	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	2	2	2	2	2	2	2
Strings Per MPPT	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
Output(AC)							
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%						
Efficiency							
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%
Protection devices							
DC Switch	Yes						
Output Over Current Protection	Yes						
Anti-islanding Protection	Yes						
DC Reverse Polarity Protection	Yes						
String Fault Detection	Yes						
DC/AC 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	380x483x161mm						
Weight	<17kg						
Operating Temperature Range	-25℃~+60℃						
Cooling Type	Natural cooling						
Max. Operating Altitude	4000m						
Max. Operating 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.
1. Minimum voltage for inverter to start power output.