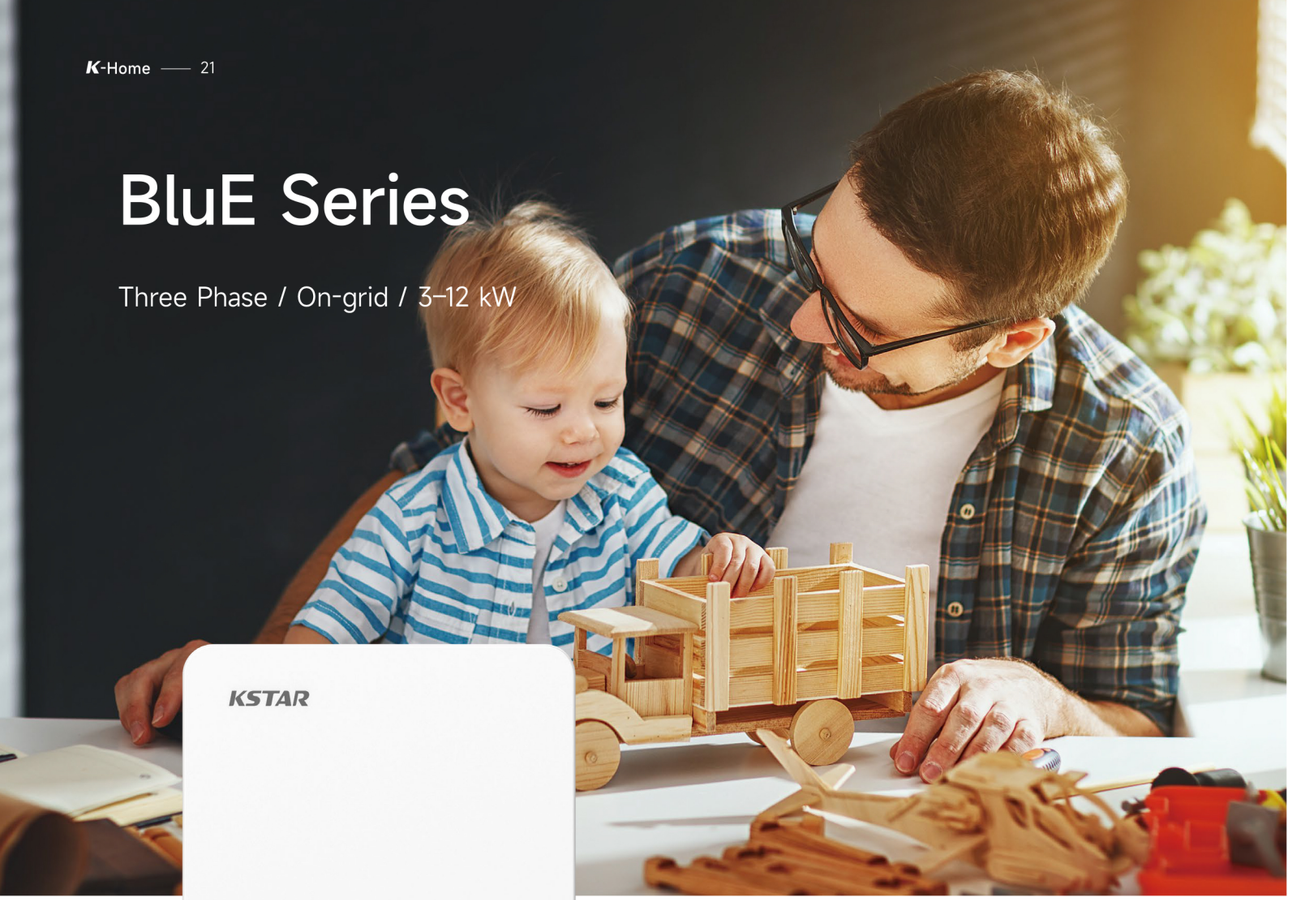
BluE Series

Three Phase / On-grid / 3–12 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 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	1100 V						
Nominal Voltage	650 V						
Start Voltage [1]	250 V						
MPPT Voltage Range	140 V ~ 1000 V						
Number of MPPT	2						
Strings Per MPPT	1						
Max. Input Current Per MPPT	15 A						
Max. Short-circuit Current Per MPPT	20 A						
Output(AC)							
Nominal AC Output Power	3000 W	4000 W	5000 W	6000 W	8000 W	10000 W	12000 W
Maximum AC Output Power	3300 VA	4400 VA	5500 VA	6600 VA	8800 VA	11000 VA [2]	13200 VA
Nominal AC Voltage	400 V 3L+N						
AC Grid Frequency Range	50 / 60Hz (±5Hz)						
Maximum Output Current	4.8 A	6.4 A	8.0 A	9.6 A	12.8 A	16.0 A [2]	19.2A
Power Factor(Φ)	0.8 leading - 0.8 lagging						
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	380 x 483 x 161 mm						
Weight	< 17 kg						
Operating Temperature Range	–25°C ~+ 60°C						
Cooling Type	Natural cooling						
Max. Operating Altitude	4000 m						
Max. Operating Humidity	0 - 100% (No condensation)						
AC Output Terminal Type	Connector						
IP Class	IP66						
Topology	Transformer - less						
Communication	RS-485 / Wifi / 4G						
Display	LCD						
Certification & Standard	EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN6 1000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G98/G99; C10/11; NB/T 32004-2018; GB/T 19964-2012						

1) Minimum voltage for inverter to start power output.
2) According to the C10/11 of Synergrid, the maximum AC output power is 10 kVA and therefore the maximum AC output current is 14.5A.