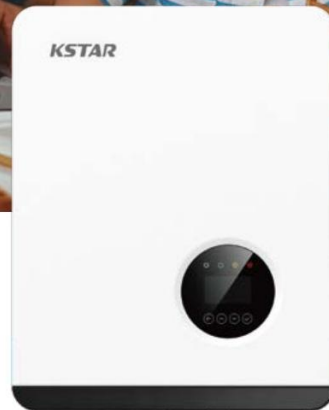
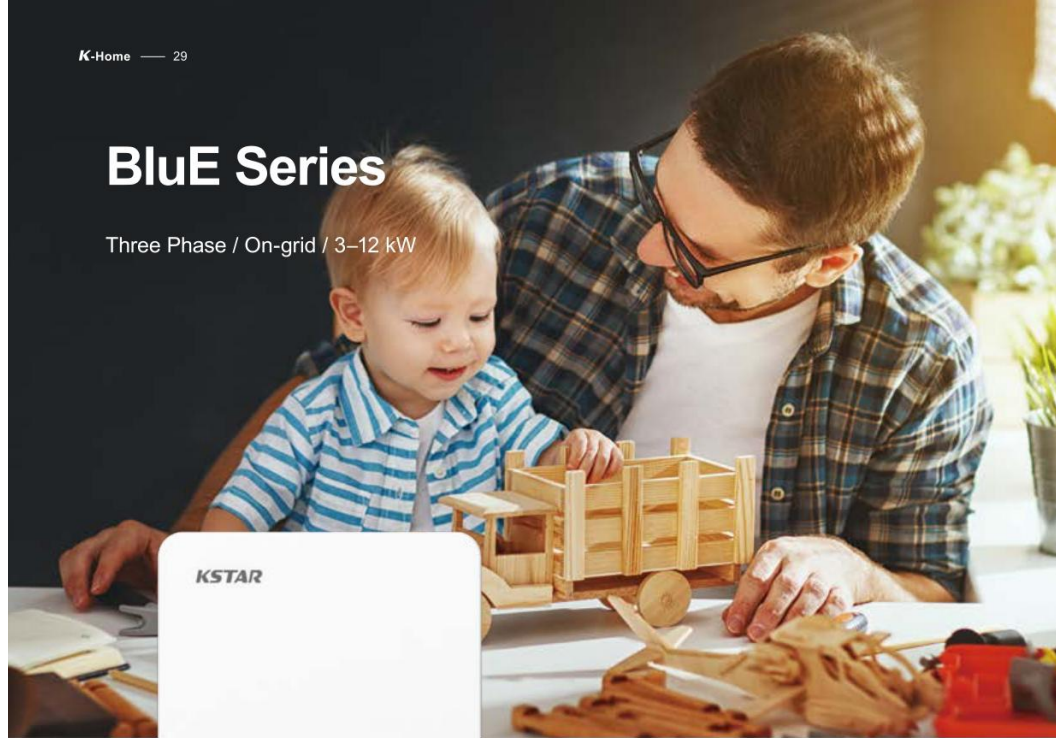


# BluE Series

Three Phase / On-grid / 3–12 kW



Max. PV Voltage up to 1100 V  
Type II DC / AC SPD



DC / AC Ratio up to 1.3  
IP66 Protection



Compatible for Big Capacity PV Panel  
WiFi / 4G Plug Optional



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
<b>Input (DC)</b>							
Max. DC Voltage				1100 V			
Nominal Voltage				650 V			
Start Voltage <sup>1)</sup>				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			
<b>Output (AC)</b>							
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 <sup>2)</sup>	13200 VA
Nominal AC Voltage	400 / 230 V, 3P+N+PE						
AC Grid Frequency Range	50 / 60 Hz (±5Hz)						
Maximum Output Current	4.8 A	6.4 A	8.0 A	9.6 A	12.8 A	16.0 A <sup>2)</sup>	19.2A
Power Factor (Φ)	0.8 leading - 0.8 lagging						
THDi	3%						
<b>Efficiency</b>							
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%
<b>Protection devices</b>							
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			
<b>General Specifications</b>							
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				Transformerless			
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						

<sup>1)</sup> Minimum voltage for inverter to start power output.

<sup>2)</sup> According to the C10/11 of Synergrid, the maximum AC output power is 10 kVA and therefore the maximum AC output current is 14.5 A.