

THREE PHASE
BSM SERIES

BSM100K-B
PV On-Grid String Inverter Zero Export

100 KW

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

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

DC/AC Ratio up to 1.5
IP66 Protection

High Efficiency up to 98.7%
Reactive Power Control

YOUR BEST PV SUPPLIER

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	MODEL	BSM100K-B
Input(DC)	Max. DC Voltage	1100V
	Nominal Voltage	620V
	Start Voltage	250V
	MPPT Voltage Range	200 V~1,000V
	Number of MPPT	10
	Strings Per MPPT	2
	Max. Input Current Per MPPT	30A
	Max. Short-circuit Current Per MPPT	50A
Output(AC)	Nominal AC Output Power	120kW@30℃/110kW@40℃/100kW@50℃
	Max. AC Output Power	121kVA
	Nominal AC Voltage	400V 3W+N+PE
	AC Grid Frequency Range	50Hz / 60Hz(±5Hz)
	Max. Output Current	174.6A
	Power Factor(Φ)	0.8leading-0.8lagging
	THDi	3%
Efficiency	Max. Efficiency	98.7%
	Euro Efficiency	98.3%
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	Type II
	Residual Current Monitoring	Yes
	AC Short Circuit Protection	Yes
General Specifications	Dimensions W x H x D	1055*700*336mm
	Weight	93kg
	Operating Temperature Range	–25℃~+60℃
	Cooling Type	Fan Cooling
	Max. Operating Altitude	4000m
	Max. Operating Humidity	0-100%(No Condensation)
	AC Output Terminal Type	OT Terminal
	IP Class	IP66
	Topology	Transformer-less
	Communication	RS485/Wifi/4G
	Display	LED/Bluetooth+APP
	Certification & Standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC/EN61000-3-11;IEC EN61000-3-12;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;EN50549-2

* Specifications subject to change without prior notice.

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