



BLUESUNPV

THREE PHASE
BSM SERIES

BSM125K-B
PV On-Grid String Inverter

125 KW



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



PLC communication
WiFi / 4G Plug Optional



DC/AC Ratio up to 1.5
IP66 Protection



High Efficiency up to 98.7%
Smaller and Lighter

YOUR BEST PV SUPPLIER

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MODEL		BSM125K-B
Input(DC)	Max.DC Voltage	1100V
	Max.Input Current Per MPPT	40A
	Max.Short-circuit Current Per MPPT	60A
	Start Voltage	350V
	MPPT Voltage Range	200-1000V
	Nominal Voltage	650V
	Number of MPPT	8
	Strings Per MPPT	2
Output(AC)	Nominal AC Output Power	125KW
	Max. AC Output Power	125kVA
	Nominal AC Voltage	230V/400V,3W+PE,3W+N+PE
	AC Grid Frequency Range	50Hz / 60Hz(±5Hz)
	Max. Output Current	181.2A
	Power Factor(Φ)	0.8leading-0.8lagging
	THDi	<3% (Nominal Power)
Efficiency	Max. Efficiency	98.7%
	Euro Efficiency	98.3%
Protection Devices	DC Switch	Yes
	Anti-islanding Protection	Yes
	Output Over Current Protection	Yes
	DC Reverse Polarity Protection	Yes
	String Fault Detection	Optional
	DC/AC Surge Protection	DC Type II;AC Type II
	AC Short Circuit Protection	Yes
	AFCI Function	Optional
	Night SVG Function	Optional
	PID Recovery	Optional
	Insulation Detection	Yes
	Residual Current Monitoring	Yes
General Specifications	Dimensions W x H x D	965mm*700mm*355mm
	Weight	85kg
	Operating Temperature Range	-30~60℃
	Cooling Type	Fan Cooling
	Max. Operation Altitude	5,000 m (> 4,000 mDerating)
	Max. Operating Humidity	0~100%
	IP Class	IP66
	Noise (dB)	≤75dB
	Topology	Transformer less
	Communication	RS485/PLC/WIFI/4G
	Display	LED, Buletooth+APP
	Certification & Standard	EN61000-3-12;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;EN50549-2 EN/IEC62109-1; EN/IEC62109-2;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC/EN61000-3-11;IEC CEI 0-16:2019-04, CEI 0-16;V1: 2020-12, CEI 0-16;V2:2021-06,CEI 0-16:2022-03,CEI 0-16;V1:2022-11,CEI 0-16;V2:2023-05

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