



THREE PHASE
BSM SERIES

BSM50-80K-B
PV On-Grid String Inverter Zero Export

50/60/70/80 KW



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Max. PV Voltage Up To 1100V
Type II DC /AC SPD
- 

Reactive Power Control WiFi /
4G Plug Optional
- 

DC/AC Ratio Up To 1.5
IP66 Protection
- 

High Efficiency Up To 98.6%
Smaller And Lighter

YOUR BEST PV SUPPLIER

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MODEL		BSM50K-B	BSM60K-B	BSM70K-B	BSM80K-B
Input(DC)	Max. DC Voltage	1100V			
	Nominal Voltage	650V			
	Start Voltage	180V			
	MPPT Voltage Range	200 V~1,000V			
	Number of MPPT	4			
	Strings Per MPPT	2	2	3	3
	Max. Input Current Per MPPT	32A	32A	45A	45A
	Max. Short-circuit Current Per MPPT	48A	48A	60A	60A
Output(AC)	Nominal AC Output Power	50000W	60000W	70000W	80000W
	Max. AC Output Power	55000VA	66000VA	77000VA	88000VA
	Nominal AC Voltage	400V 3L+N+PE			
	AC Grid Frequency Range	50Hz / 60Hz(±5Hz)			
	Maximum Output Current	79.7A	95.6A	111.6A	127.5A
	Power Factor(Φ)	0.8leading-0.8lagging			
	THDi	3%			
Efficiency	Max. Efficiency	98.5%	98.5%	98.6%	98.6%
	Euro Efficiency	98.2%	98.2%	98.3%	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	515x585x287mm			
	Weight	51kg		55kg	
	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	LCD			
	Certification & Standard	EN/IEC62109-1/2; IEC/EN61000-6-2; IEC/EN61000-6-3; IEC/EN61000-6-4; IEC 61727; IEC61683; IEC62116; EN50549-1; VDE-AR-N-4105; CEI 0-21			

* Specifications subject to change without prior notice.

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