

Residential PV Inverter



High Efficiency

Max. DC voltage 550V.
Max efficiency 98.59%.
Double channels MPPT.
High precision & intelligent string detection.

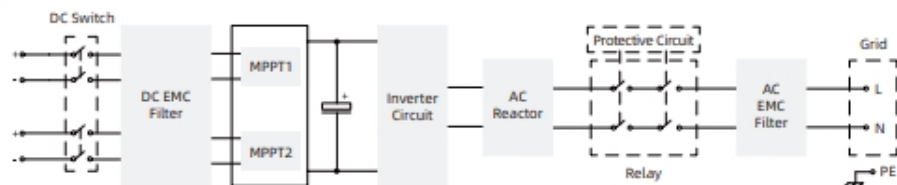


Reliable

Compact structure, easy for installation and maintenance.
IP65 waterproof.
Mobile phone APP and check the status information of inverter.

Topological Graph

5/6K



Technical Parameters

	Model	BSM5000-B2	BSM6000-B2	BSM8000-B2
DC Input	Max. DC Voltage	550V		
	Startup voltage	140V		
	MPPT Voltage Range	90V ~ 500V		
	Max. Input Current of Each MPPT	12A/12A		24A/12A
	Number of DC Inputs	2		3
	MPPT Number	2		
AC Output	Rated Output Power	5kW	6kW	8kW
	Max. Active Power (cos ϕ =1)	5.5kW	6.6kW	8kW
	Rated Output Voltage	220V / 230V (Single Phase)		
	Operating Voltage Range	172.5V ~ 276V		
	Max. Output Current	25A	30A	36.4A
	Rated Grid Frequency	50Hz / 60Hz		
	Power Factor	0.8(Leading) ~ 0.8(Lagging)		
	THD	<3%		
System Parameters	Max. Efficiency	98.47%	98.55%	98.59%
	European Efficiency	98.0%		
	AC/DC SPD	Support		
	Insulation Impedance Detection	Support		
	Residual Leakage Current Detection	Support		
	PV String Fault Detection	Support		
	Output Overcurrent Protection	Support		
	Protection Level	IP65		
	Operating Temperature Range	-25°C ~ +60°C		
	Cooling System	Natural Cooling		
	Standby Power Consumption	<1W		
	Topology Structure	Transformerless		
	Operating Altitude	4000m (Derating above 3000m)		
	Display	LED Indicator + APP		
Communication	RS485 / WIFI / GPRS			
Certification	IEC62109, IEC61000, IEC62116, IEC61727, EN50549, INMETRO,			
Mechanical Parameters	Dimensions (W*H*D)	325*380*177mm		
	Weight	<14kg		