

Three Phase
ZMPPTs

BSM50K-B

Commercial Medium Power Inverter

50KW



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20% Max DC Overload



200Vdc low starting voltage
higher yield



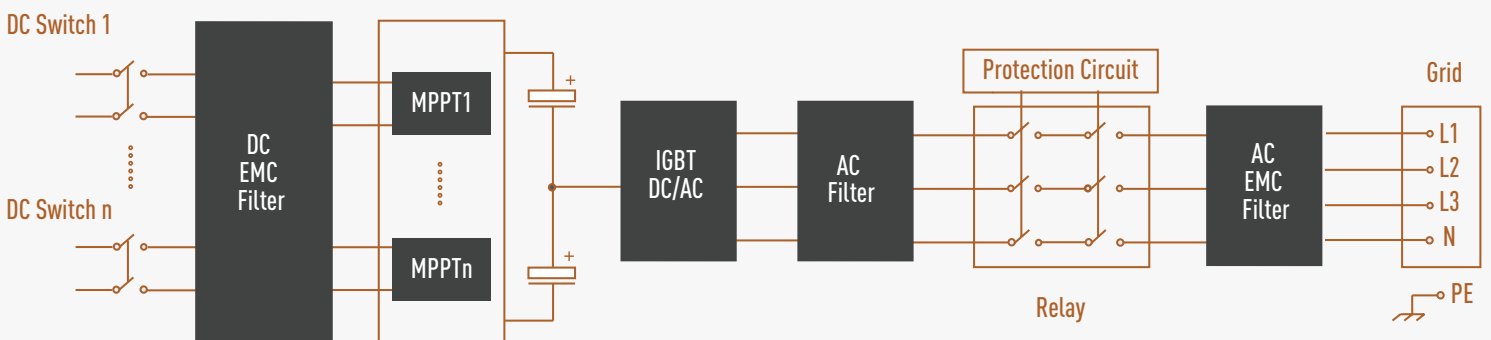
High precision & intelligent
string detection
Compatible with
182/210 PV panels



AC&DC type II SPD



Intelligent string monitoring



TECHNICAL PARAMETERS

Model		BSM50K-B
DC Input	Max. DC Voltage	1100V
	Starting Voltage	200V
	MPPT Voltage Range	200V~1000V
	MPPT Range Full Load	450V~850V
	Max. Input Current of Each MPPT	60A /60A
	Max. short-circuit current	90A /90A
	Number of DC Inputs	5 /4
	MPPT Number	2
AC Output	Rated Output Power	50kW
	Max. Active Power (cos θ =1)	55kW
	Rated Output Voltage	400V(Three Phase)
	Operating Voltage Range	300V~520V
	Rated Output Current	72.2A
	Max. Output Current	79.4A
	Rated Grid Frequency	50Hz / 60Hz
	Power Factor	0.8 (Leading) ~ 0.8 (Lagging)
	THD	<3%
System Parameters	Max.Efficiency	99.03%
	European Efficiency	98.51%
	AC/DC SPD	Support
	Insulation Impedance Detection	Support
	Residual Leakage Current Detection	Support
	PV String Fault Detection	Support
	Output Overcurrent Protection	Support
	Protection Degree	IP65
	Operating Temperature Range	-40 C ~ +60 C
	Cooling System	Smart Air Cooling
	Standby Power Consumption	<1W
	Topology Structure	Transformerless
	Operating Altitude	5000m (Derating above 3000m)
	Display	LED Indicator + APP
	Communication	RS485 / WiFi / GPRS / 4G
Certification	IEC61683 / IEC62109 / IEC61000 / IEC62116 / IEC61727	
Mechanical Parameters	Dimensions (W*H*D)	520*520*265mm
	Weight	44kg