

Three Phase
4MPPTs

BSM100K-B

Commercial Medium Power Inverter

100KW



BLUESUNPV

www.bluesunpv.com /   FOLLOW US @Bluesun Solar



20% Max DC Overload



200Vdc low starting voltage
higher yield



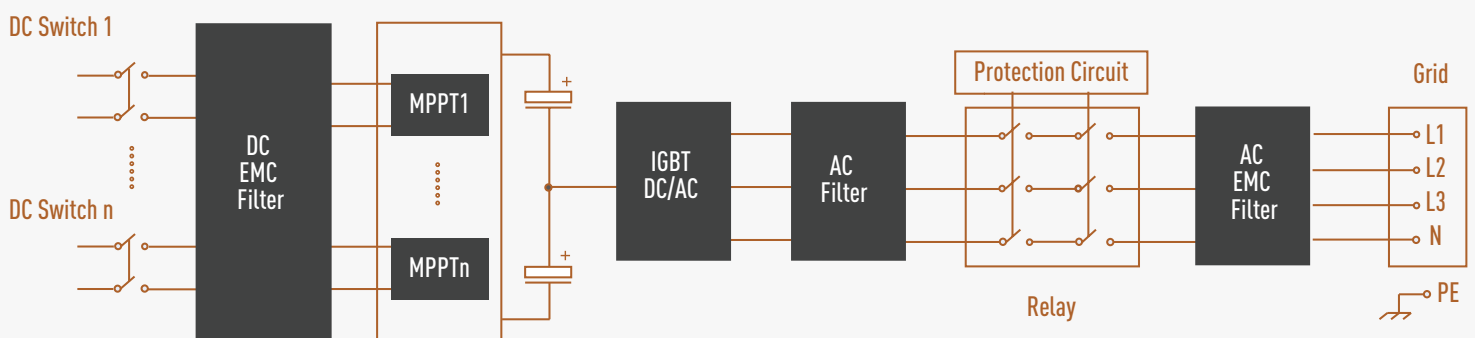
High precision & intelligent
string detection
Compatible with
182/210 PV panels



AC&DC type II SPD



Intelligent string monitoring



TECHNICAL PARAMETERS

Model		BSM100K-B
DC Input	Max. DC Voltage	1100V
	Starting Voltage	200V
	MPPT Voltage Range	200V~1000V
	MPPT Range Full Load	550V~850V
	Max. Input Current of Each MPPT	65A / 65A / 65A / 65A
	Max. short-circuit current	100A / 100A / 100A / 100A
	Number of DC Inputs	5 / 5 / 5 / 5
	MPPT Number	4
AC Output	Rated Output Power	100kW
	Max. Active Power (cos θ =1)	110kW
	Rated Output Voltage	400V(Three Phase)
	Operating Voltage Range	300V~520V
	Rated Output Current	144A
	Max. Output Current	1583.8A
	Rated Grid Frequency	50Hz / 60Hz
	Power Factor	0.8 (Leading) ~ 0.8 (Lagging)
	THD	<3%
System Parameters	Max.Efficiency	99.00%
	European Efficiency	98.52%
	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 / VDE4105 / EN50549	
Parameters	Dimensions (W*H*D)	800*680*330mm
	Weight	89kg

BLUESUN SOLAR CO.,LTD

 Tel:+86 (158) 5821 3997
 Fax:+86 (551) 4565 2651
 E-mail:info@bluesunpv.com
 Add:1499 Zhenxing Road, Shushan District,230031 Hefei,China

*Release BSMXXK-B-2023-01-Rev01-EN