

Three Phase  
ZMPPTs

# BSM30K-B

Commercial Medium Power Inverter

30KW



**BLUESUNPV**

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20% Max DC Overload



200Vdc low starting voltage  
higher yield



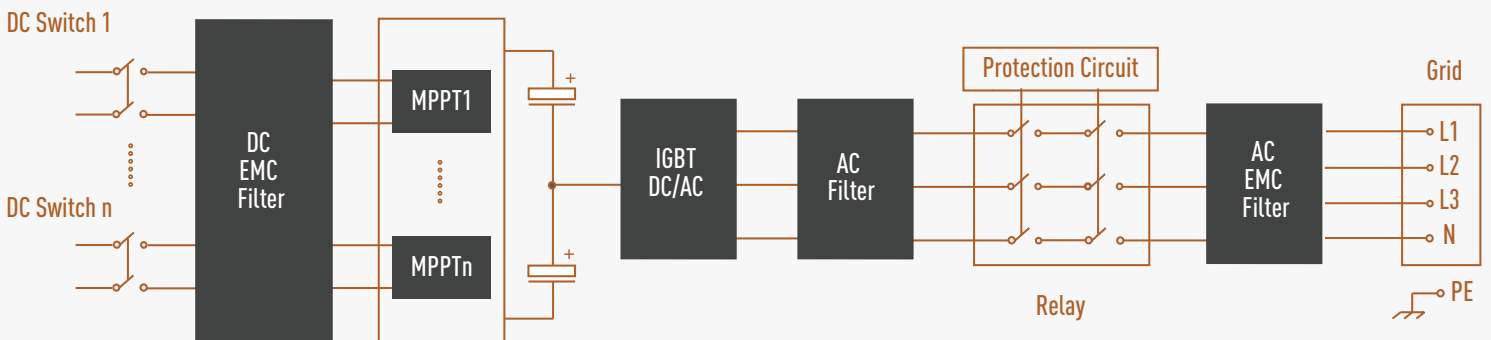
High precision & intelligent  
string detection  
Compatible with  
182/210 PV panels



AC&DC type II SPD



Compact structure,  
easy for installation  
and maintenance



**TECHNICAL PARAMETERS**

Model	BSM30K-B	
<b>DC Input</b>	Max. DC Voltage	1100V
	Starting Voltage	200V
	MPPT Voltage Range	200V~1000V
	MPPT Range Full Load	425V~850V
	Max. Input Current of Each MPPT	40A /40A
	Max. short-circuit current	60A /60A
	Number of DC Inputs	3 /3
	MPPT Number	2
<b>AC Output</b>	Rated Output Power	30kW
	Max. Active Power (cos θ =1)	33kW
	Rated Output Voltage	400V(Three Phase)
	Operating Voltage Range	300V~520V
	Rated Output Current	43.5A
	Max. Output Current	47.6A
	Rated Grid Frequency	50Hz / 60Hz
	Power Factor	0.8 (Leading) ~ 0.8 (Lagging)
	THD	<3%
<b>System Parameters</b>	Max.Efficiency	99.00%
	European Efficiency	98.80%
	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	WiFi / GPRS / 4G
Certification	IEC61683 / IEC62109 / IEC61000 / IEC62116 / IEC61727	
<b>Parameters</b>	Dimensions (W*H*D)	380*450*247mm
	Weight	35kg