

Three Phase
4MPPTs

BSM100K-B

Commercial Medium Power Inverter

100KW



BLUESUNPV

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20% Max DC Overload



200Vdc low starting voltage
higher yield



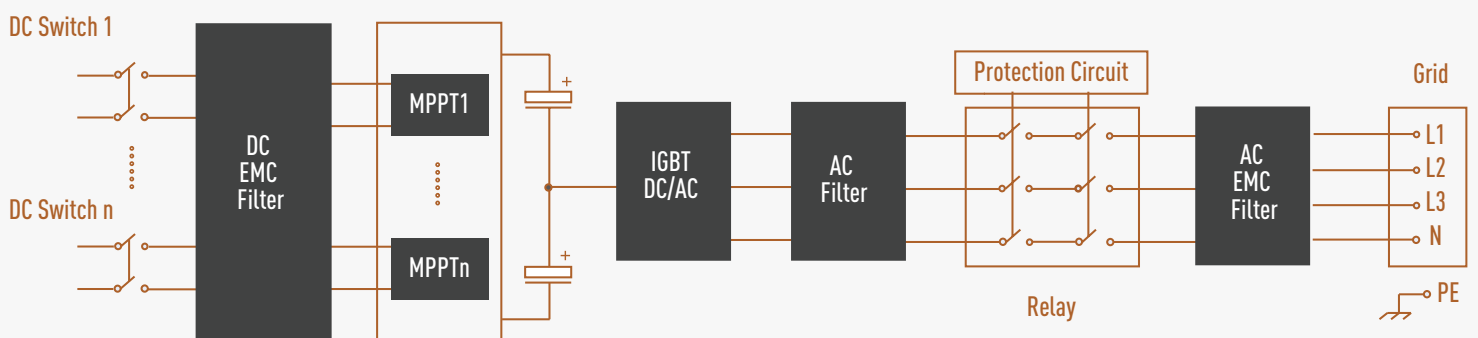
High precision & intelligent
string detection
Compatible with
182/210 PV panels



AC&DC type II SPD



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 | 158.8A |
| | 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 | |
| Mechanical Parameters | Dimensions (W*H*D) | 800*680*330mm |
| | Weight | 89kg |