

Three Phase  
2MPPTs

# BSM30K-B

Commercial Medium Power Inverter

30KW



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20% Max DC Overload



200Vdc low starting voltage  
higher yield



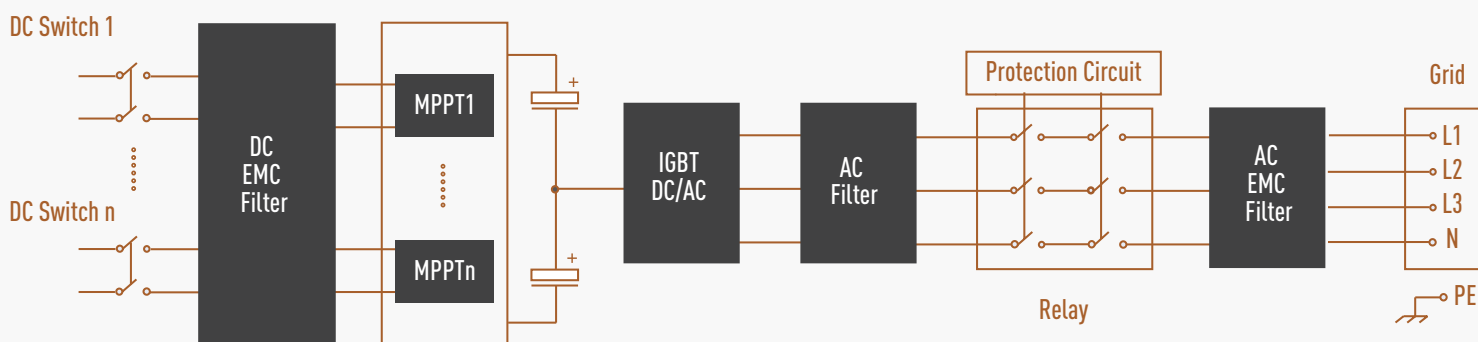
High precision & intelligent  
string detection  
Compatible with  
182/210 PV panels



AC&DC type II SPD



Compact structure,  
easy for installation  
and maintenance



| Model                 |                                     | BSM30K-B                                                        |
|-----------------------|-------------------------------------|-----------------------------------------------------------------|
| DC Input              | 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                                                               |
| AC Output             | Rated Output Power                  | 30kW                                                            |
|                       | Max. Active Power (cos $\theta$ =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%                                                             |
| System Parameters     | 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℃ ~ +60℃                                                     |
|                       | 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 / VDE 0126 |
| Mechanical Parameters | Dimensions (W*H*D)                  | 380*450*247mm                                                   |
|                       | Weight                              | 35kg                                                            |