

Smart Junction Box

SL200BS

- Built-in single-chip MPPT
- Hardware closed-loop self-capture mode
- One-wire power line carrier*



Small Size

- Smaller size than traditional optimizers;
- Lower cost than conventional optimizers;
- Conventional installation without additional separate configuration;



High Efficiency

- Fast tracking of power peak <20ms to lock the maximum power point;
- Refresh the max. power point in seconds;
- Increase power generation by 5~15%;
- Under the complex shading situation, the measured power generation increase by 10~15%;
- Some scenarios can increase power generation by more than 30%;



Great Wisdom

Compared to PV Optimizer

- 3 times the voltage detection accuracy, 3 times the voltage sampling speed;
- Voltage detection resolution:1.25mV;
- Current detection resolution: 0.30mA;
- Maximum conversion efficiency 99.1%, weighted efficiency >98%;



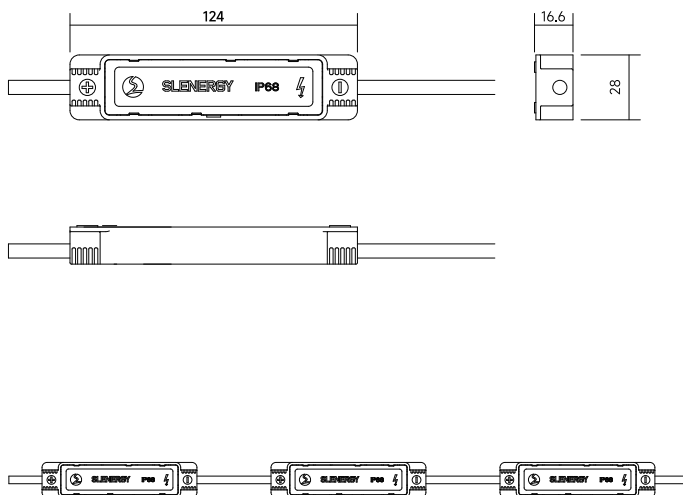
More Safety

- Precise configuration of over-voltage/over-current /over-temperature protection
- Real-time accurate voltage/current/power output
- Built-in bypass diode
- IP68 protection level
- Support NEC2017 system, component-level block-by-block detachment from the array*;

Model	SL200BS
Electrical Data	
Input	
Max. Input Voltage	21 V
Max. Input Current per MPPT	14 A
Max. Input Short-circuit Current	20 A
MPPT Input Voltage Range	7.5-14.5 V
Output	
Max. Output Power	200 W
Max. Output Current per MPP Tracker	15 A
Max. Output Voltage per MPPT	13.5 V
Max. Output Voltage	14.1 V
Efficiency	
MPPT Efficiency	99.9%
Peak Efficiency	99.1%
General Data	
Rated Voltage	1500 V _{dc}
Operating Temperature Range	-40-85°C

Model	SL200BS
General Data	
Safety Rating	Class II
Flame Retardant Rating	5VB & UL94 V-0
Protection Rating	IP68
Sealing Type	Potting Adhesive
Module Type	Triad
Max. Module Voltage	70 V
Max. Module Current	20 A
Max. Module Power	600 W
Distance Between Contact Rails	11 mm
Materials of Contact Rails	Copper
Bus Ribbons Dimensions	Width: 6.0mm, Thickness: 0.2-0.5mm
Connecting of Bus Ribbons	Soldering
Single Box Dimensions	124 x 28 x 16.6mm
Shell Material	PPO-9406P
Connectors	MC4 or MC4-compatible
Cable Dimensions	4mm ² / 10AWG

Size



Connection

