

SP600S

Working with specific inverters for Module-level optimization/
monitoring function

Preliminary



MORE POWER GENERATION

- Module-level optimization
- Shadeproof control



FLEXIBLE DESIGN, EASY TO INSTALL

- More installations , flexible dedign
- 2in1 installation design , easy to install
- 600W & 16A , free choice of PV modules



SAFE AND RELIABLE

- Module-level shutdown
- IP68 degree of protection



MODULE-LEVEL PRECISE O&M

- Module-level Monitoring
- Module-level IV scanning and diagnosis



Type designation	SP600S *
Input	
Rated input power	600 W
Max. input voltage	80 V
MPPT voltage range	8 V - 80 V
Max. DC short-circuit current (Isc)	20 A
Overvoltage category	II
Output	
Max. output voltage	80 V
Max. output current	16 A
Bypass output	Yes
Safety output voltage per power optimizer	1 V ± 0.1 V
Efficiency	
Max. efficiency	99.4 % (±0.1%)
Weighted efficiency	98.8 % (±0.1%)
General Data	
Dimensions (W*H*D)	86 x 108 x 25 mm (3.4 x 4.3 x 1.0 inch)
Weight (including cables)	0.5 kg (1.1 lb.)
Degree of protection	IP68
Allowable relative humidity range (non-condensing)	0 % ~ 100 %
Operating ambient temperature range	-40 °C ~ 85 °C
Max. operating altitude	4000 m
Mounting Method	PV Module bracket Mounting & PV Module Frame Mounting
Communication	PLC
Input / output connector	MC4 or MC4 Compatible
Input / output Wire Length	150 mm (0.5 ft.) / 1200 mm (3.9 ft.)
Standard compliance	IEC 61000-6-2, IEC 61000-6-3, IEC 62109-1 (class II safety)

* Please contact sungrow for the compatible inverter.

