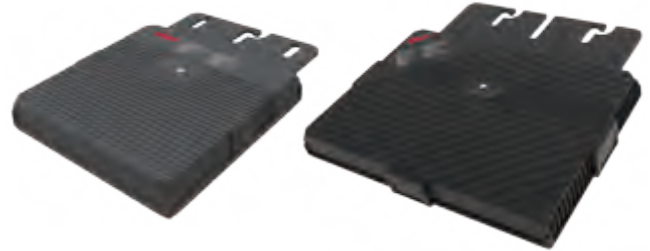


Micro SM300/600 (New)

Features:

- Eliminate the shortboard effect and increase the power generation capacity by 6~20%
- Completely eliminate DC high voltage, internal safer fireproof
- Module level monitoring system, high-efficiency precise operation and maintenance



Micro SM300

Micro SM600

Mdels	SM300	SM600
DC Input Data		
Recommended maximum input power	300W	300×2W
Maximum input voltage	54V	
MPPT voltage range	24~42V	
Full load MPPT voltage range	28~42V	
Starting voltage	22V	
Turn off voltage	18V	
Maximum input current	9.5A	9.5×2A
Short circuit current of solar cell	15A	
DC Output Data		
Rated output power	248W	500W
Maximum output current	1.07A	2.17A
Rated grid voltage	220/230/240V	
Rated grid frequency	50/60Hz	
Grid voltage range*	165~265V	
Grid frequency range*	47~51.5Hz/57~60.5Hz	
Power factor	>0.99	
Harmonic distortion of total current	<3%	
Self-consumption at night	<100mA	
Maximum number of inverter connected	20	10
Efficiency		
Maximum efficiency	95.60%	
CEC efficiency	95%	
MPPT efficiency	99.90%	
Physical Structure		
Size (WxHxD)	163*163*27mm	248*172*27.5mm
Weight	1.5kg	2.4kg
IP rating-protection	IP65 (Refer to IEC 60529)	
Cooling method	Nature Cooling	
Overvoltage grade	Panel side II / AC side III (Refer to IEC 62109-1)	
Reference Standard		
Safety standard	Plan (EN 62109, AS/NZS 3100)	
EMC standard	Plan (EN 61000-6-1, EN 61000-6-3, EN 61000-6-2, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3)	
Standard of grid-connected	Plan (VDE-AR-N 4105, VDE 0126-1-1, G83/2, UTE C15-712-1, AS4777, EN50438, CQC)	
General Data		
Temperature range of working environment	-40°C~+65°C	
Internal temperature range of equipment at work	-40°C~+85°C	
Relative humidity	0%~98%, Non condensation	
Highest altitude	2000m	
Isolation type	High frequency transformer isolation	
Communication	PLCC (Power line carrier communication)	
Standard warranty	25 years	