

SMART PV OPTIMIZER



Dynamic Power

P380/P550



Features

High revenue

- The maximum MPPT efficiency is 99.9%, and the maximum conversion efficiency is 99.4%;
- Module-level MPPT can avoid module mismatch, and the system power generation can be increased by 5% ~ 20%;
- With the same roof area, the system capacity is larger, and the power generation revenue is much higher in 25 years;
- Higher module voltage can reduce current density, save cable and reduce line loss.

Easy to use

- The system is flexible in design to support the mashup of the same module with different specifications, the installation under shaded condition and multi-directional installation of some modules;
- Frame pre-installation, which takes only 30 seconds each, eliminates the necessity of roof operation on site;
- It can adapt to mainstream polycrystalline and single crystal modules and high efficiency modules in the future.

Safer

- Damage to any module can be located quickly, which is convenient for maintenance personnel to handle in time and ensure both personal and property safety;
- IP68 protection grade supports application in outdoor harsh environment.

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Specifications

MODEL	P380	P550
INPUT		
Max. System Voltage	1000V	
DC Input Power	380W	550W
Max. Input Voltage	60V	
MPPT Voltage Range	8-60V	
OUTPUT		
Max. Output Voltage	60V	
Max. Output Current	11A	14A
Max. MPPT Efficiency	99.9%	
Max. Conversion Efficiency	99.4%	
Operating Mode	Boost, buck, pass-through, bypass	
OTHER SPECIFICATIONS		
IP Grade	IP68	
Operating Temp.	-40°C ~ 85°C	
Monitoring Communication	PLC	
Weight	<0.5kg	
Dimension (W*H*D)	127mm×96mm×29.2mm	
Installation Method	Module frame installation	