

## HCPO1-600 PV Optimizer

### Features&Benefits:

- ◆ 3% ~ 25% optimization, retrieve power generation loss;
- ◆  $\Delta < 10^{\circ}\text{C}$  Anti-Hotspot, more safe and durable;
- ◆ Applies to all types of modules, Optimization +Voltage Limiting +Anti-Hotspot;
- ◆ Based on power optimization chip, eliminate panel or cell level mismatch;
- ◆ Solve the current mismatch issues caused by shading gradients, aging variations, temperature gradients, soiling gradients, etc;
- ◆ Optimize power generation, lower LCOE, improve solar system reliability, extend the service life of module;
- ◆ TUV/CE Certification;



CHARACTERISTIC PARAMETERS			
Product Model	HCPO1		
input	Maximum Input Power	700W	
	Maximum Input Voltage	80V	
	MPPT Voltage Range	12~80V	
	Maximum input Current	15A	
	Over-temperature Protection	160 $^{\circ}\text{C}$	
Conversion Efficiency	Peak Conversion Efficiency	99.50%	
	Power Consumption @5A	0.9W	
	Power Consumption @8A	1.4W	
	Power Consumption @12A	2.9W	
	Power Consumption @15A	3.8W	
Specifications	Dimensions(L*W*H)	105*105*22mm	
	Weight	600g	
	Cable		4.0mm <sup>2</sup>
			Input Wire 70cm*2Pcs
			Output Wire 100cm*2Pcs
	Connector	MC4 or compatible MC4	
	Operating Temperature Range	-40 $^{\circ}\text{C}$ ~+85 $^{\circ}\text{C}$	
Protection Degree	IP68		
Design Standard	Designed Life	25 Years	
	Quality Commitment	10 Years	
Function	Standard Features	Optimization  Anti-Hotspot	

### Module Assembly Diagram

