

PV Power Optimizer



Optimization

- Eliminates loss from multiple orientations of PV modules
- Eliminates shading loss of entire string
- Effectively reduces the hot-spot loss of PV modules
- Mitigates the mismatch loss of PV modules in its service life

Easy

- Double screw & clip-type design for fast and reliable installation
- Designed to work in complex installation situations
- No maintenance required
- Works with all inverter brands

High Efficiency

- 15A/600W & 20A/700W compatible with most PV modules
- Required only on the PV modules that cause losses
- Maximum efficiency (99.5%)

Technical Data

Model	TW-OPT600-1	TW-OPT700-1
Input parameters		
Maximum Input Voltage	55V DC	
MPPT Operating Range	8~55V DC	
Maximum Input Current	15A DC	20A DC
Maximum Rated Input DC Power	600W	700W
Output parameters		
Maximum Output Voltage	42V DC	
Maximum Output Current	15A DC	20A DC
Overcurrent Protection	18A DC	25A DC
General data		
Maximum Efficiency	99.5%	
DC Short-Circuit Proteciton	Yes	
DC Input Connector	MC4	
Weight(includingcables)	510 g	
OD Of Wire	5.7/6.1/6.4 mm	
Dimensions(Wx L x H)	105 x 100 x 21 mm	
Input Wire Length	0.5 m	
Output Wire Length	1 m	
Operating Temperature Range	-40°C ~ 85°C	
Standard(s) For Safety	UL1741,IEC62109-1	
EMC	IEC61000-6-2, IEC61000-6-3	
Protection Rating	IP68	
Fire Rating Degree	5VA	