

PV Power Optimizer



Safety

- Effectively reduces the hot-spot of PV module
- Mitigates the mismatch loss of PV module in its service life

Convenience

- Double screw & clip-type design fasten and reliable
- Easy disassembly and maintenance

High Efficiency

- 15A600W&21A800w compatible with various PV module
- Designed to work in the complex and changeable installation sites
- Maximum efficiency(99.5%)

Technical Data

Model	MD-OPT600-1	MD-OPT700-1	MD-OPT800-1
Input parameters			
Maximum Rated Input DC Power	600W	700W	800W
Maximum Input Current	15A DC	20A DC	21A DC
Maximum Input Voltage	55V	55V	60V
MPPT Operating Range	8~55V	8~55V	14~60V
Output parameters			
Maximum Output Current	15A DC	20A DC	21A DC
Overcurrent Protection	18A DC	23A DC	23A DC
Maximum Output Voltage	42V DC	42V DC	60V DC
General data			
Maximum Efficiency	99.5%		
DC Short-Circuit Protection	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		