

OPTIMIZER NEF-OPT-S



Features

- ◆ Module-level MPPT, 5~25% more power generation
- ◆ 25-year use life, same as PV module
- ◆ For PV power plants in operation and under construction
- ◆ Easy to install

Parameters

Model	NEF-OPT-S	Unit
DC input		
Max input power	450	W
Max input Voltage	55	V
MPPT Voltage	13-50	V
Max continuous input Current	12	A
Max input short - circuit current	15	A
DC reverse polarity protection	Yes	/
Night Self-consumption	0	W
DC output		
Output voltage range	0-Voc	V
Max continuous output Current	12	A
System DC voltage	1000	V
Efficiency		
Max efficiency	99.5	%
Euro efficiency	98.6	%
CEC efficiency	98.7	%
MPPT efficiency	99.9	%
Certifications and approvals		
EMC	EN61000-6-2/EN61000-6-3;FCC part 15, class B	/
Safety	EN62109-1:UL1741:UL3730 CSA C22.2 NO.107. 1-101	/
RoHs	certified	/
General data		
Dimensions (L×W×H)	103×105.3×21.3	mm
Weight	0.65	Kg
input/output cable length	150/1050	mm
input/output cable size	4mm ² (12AWG) / 4mm ² (12AWG)	/
Terminals	MC4(compatible)	/
Environmental Protection Rating	IP67/NEMA6	/
Relative humidity	0-100%	RH
Operating temperature range	-40±85	°C
Cooling	natural cooling	/

