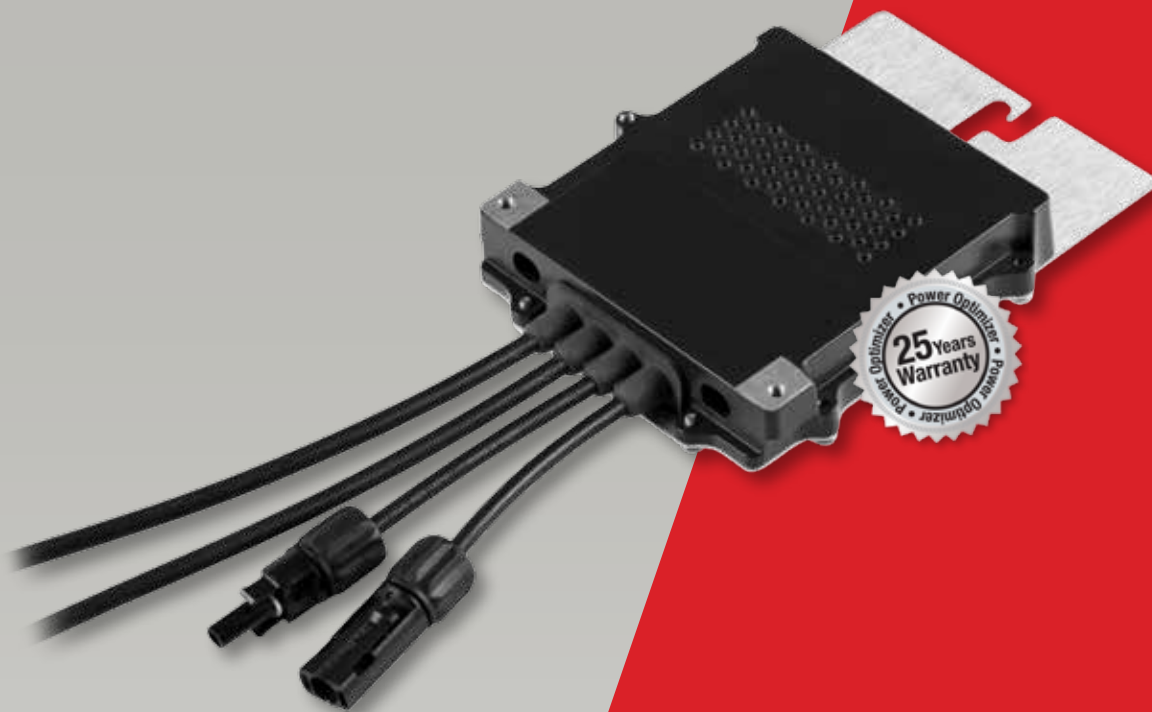




## SolarEdge Power Optimizer

Module Add-On For North America

P300-3N / P350-3N / P400-3N



POWER OPTIMIZER

### PV power optimization at the module-level

- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- Flexible system design for maximum space utilization
- Fast installation with a single bolt
- Next generation maintenance with module-level monitoring
- Module-level voltage shutdown for installer and firefighter safety
- Operates in extreme environmental conditions



# SolarEdge Power Optimizer

## Module Add-On for North America

P300-3N / P350-3N / P400-3N

	P300-3N (for 60-cell PV modules)	P350-3N (for 72-cell PV modules)	P400-3N (for 96-cell PV modules)	
<b>INPUT</b>				
Rated Input DC Power <sup>(1)</sup>	300	350	400	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	48	60	80	Vdc
MPPT Operating Range	8- 48	8 - 60		Vdc
Maximum Short Circuit Current (Isc)		10		Adc
Maximum DC Input Current		12.5		Adc
Maximum Efficiency		99.5		%
Weighted Efficiency		98.8		%
Overtoltage Category		II		
<b>OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)</b>				
Maximum Output Current		15		Adc
Maximum Output Voltage		60		Vdc
<b>OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM INVERTER OR INVERTER OFF)</b>				
Safety Output Voltage per Power Optimizer		1		Vdc
<b>STANDARD COMPLIANCE</b>				
EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3			
Safety	IEC62109-1 (class II safety), UL1741			
RoHS	Yes			
<b>INSTALLATION SPECIFICATIONS</b>				
Maximum Allowed System Voltage		1000		Vdc
Dimensions (W x L x H)	137 x 193 x 27 / 5.39 x 7.59 x 1.06			mm / in
Weight (including cables)	1020 / 2.25			gr / lb
Input Connector	MC4 / Amphenol / Tyco			
Output Connector	Double Insulated; Amphenol			
Output Wire Length	0.95 / 3.0	1.2 / 3.9		m / ft
Operating Temperature Range	-40 - +85 / -40 - +185			°C / °F
Protection Rating	IP67 / NEMA6			
Relative Humidity	0 - 100			%

<sup>(1)</sup> Rated STC power of the module. Module of up to +5% power tolerance allowed.

PV SYSTEM DESIGN USING A SOLAREEDGE INVERTER	SINGLE PHASE	THREE PHASE	THREE PHASE	W
		208V	480V	
Minimum String Length (Power Optimizers)	8	10	18	
Maximum String Length (Power Optimizers)	25	25	50	
Maximum Power per String	5250	6000	12750	
Parallel Strings of Different Lengths or Orientations	Yes			

