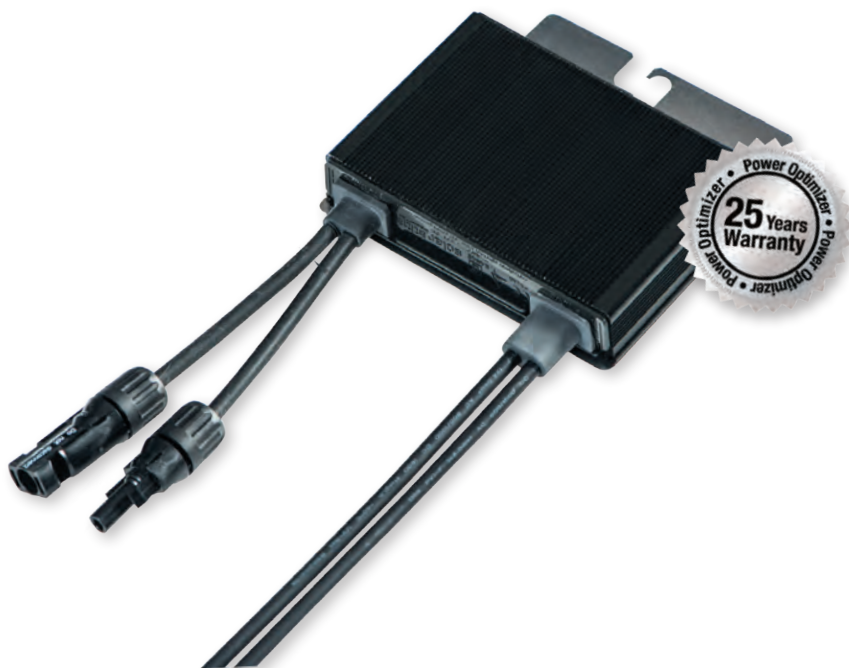


# SOLAR EDGE

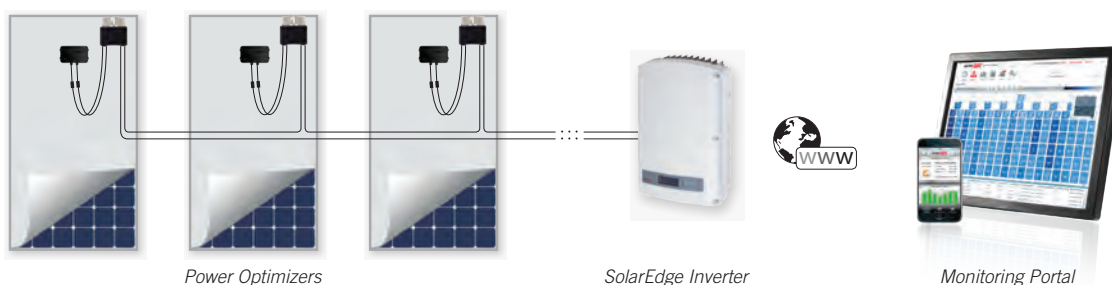
## Power Optimizer P300~500



## PV power optimization at the module-level

### Features

- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of modules mismatch-loss, 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



	<b>P300</b> (for 60 cell modules)	<b>P350</b> (for 72 cell modules)	<b>P500</b> (for 96 cell modules)	<b>P405</b> (for thin film modules)
<b>INPUT</b>				
Rated Input DC Power*	300 W	350 W	500 W	405 W
Absolute Maximum Input Voltage (Voc)	48 V DC	60 V DC	80 V DC	125 V DC
MPPT Operating Range	8 - 48 V DC	8 - 60 V DC	8 - 80 V DC	12.5 - 105 V DC
Maximum Continuous Input Current (Isc)	10 A DC	11 A DC	10 A DC	10 A DC
Maximum Efficiency	99.5 %			
Average Efficiency	98.8 %			
Overtoltage Category	II			
<b>OUTPUT DURING OPERATION</b> (power optimizer connected to operating inverter)				
Maximum Output Current	15 A DC			
Maximum Output Voltage	60 V DC			85 V DC
<b>OUTPUT DURING STANDBY</b> (power optimizer disconnected from inverter or inverter off)				
Safety Output Voltage per Power Optimizer	1 V DC			
<b>STANDARD COMPLIANCE</b>				
EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3			
Safety	IEC62109-1 (class II safety), UL1741			
RoHS	Yes			
Fire Safety	VDE-AR-E 2100-712:2013-05			
<b>INSTALLATION SPECIFICATIONS</b>				
Maximum Allowed System Voltage	1000 V DC			
Dimensions (W x L x H)	128 x 152 x 27.5 mm	128 x 152 x 27.5 mm	128 x 152 x 35 mm	128 x 152 x 48 mm
Weight (including cables)	770 gr			930 gr
Input Connector	MC4			
Output Connector	MC4			
Output Wire Length	0.95 m	1.2 m		
Operating Temperature Range	-40°C / +85°C			
Protection Rating	IP68			
Relative Humidity	0 - 100 %			
* 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
Minimum String Length (P300, P350, P500)	8 pieces	16 pieces
Minimum String Length (P405)	6 pieces	13 pieces
Maximum String Length (Power Optimizers)	25 pieces	50 pieces
Maximum Power per String	5250 W	11250 W
Parallel Strings of Different Lengths or Orientations	Yes	Yes

### About SolarEdge

SolarEdge Technologies, global leader in the DC power optimizer market, provides module-level electronics for solar power harvesting and monitoring systems for residential, commercial and utility- scale solar photovoltaic installations. The SolarEdge portfolio of products includes power optimizers and a web portal for module-level optimization and monitoring as well as PV inverters specialized to work with power optimizers. SolarEdge is a publicly traded company on NASDAQ.

### Vision

- To be the leading provider of module-level electronics for the PV industry
- To accelerate the pace toward grid parity and make clean energy affordable and widespread

### Business figures

- Over 8,000,000 power optimizers and 340,000 inverters shipped worldwide