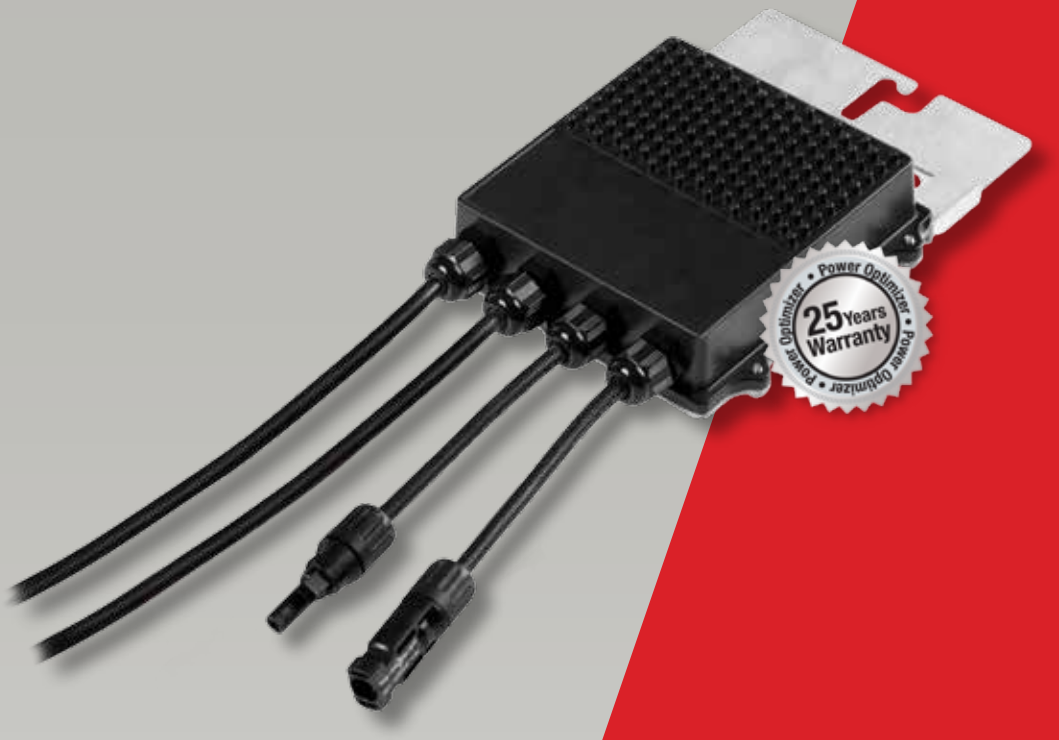
SolarEdge Power Optimizer

Module Add-On with IndOP™ technology

P350I

POWER OPTIMIZER



PV power optimization at the module-level

- Independent optimization technology (IndOP™) - allows operation with any inverter and requires no additional interface hardware
- Up to 25% more energy
- Mitigates all types of modules mismatch-loss, from manufacturing tolerance to partial shading
- Superior efficiency (99.5%)
- Fast installation with a single bolt
- Ideal for retrofitting existing installations

SolarEdge Power Optimizer Module Add-On with IndOP™ technology P350I

BENEFITS PER SOLUTION	SolarEdge Power Optimizer with SolarEdge Inverter	SolarEdge Power Optimizer with SolarEdge Safety & Monitoring Interface and a Non-SolarEdge Inverter	SolarEdge Power Optimizer with a Non-SolarEdge Inverter
Added Energy	✓	✓	✓
Safety	✓	✓	–
Monitoring	✓	✓	–
Multi-facet Design	✓	✓	✓
Long String Design	✓	–	–

	P350I (for 60-cell & 72-cell PV modules)		
INPUT			
Rated Input DC Power[1]	350		W
Absolute Maximum Input Voltage (Voc at lowest temperature)	60		Vdc
MPPT Operating Range	8 - 60		Vdc
Maximum Continuous Input Current (Isc)	10		Adc
Maximum Efficiency	99.5		%
Weighted Efficiency	98.6		%
Overvoltage Category	II		
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)	Power Optimizer connected to a SolarEdge Inverter	Power Optimizer connected to a Non-SolarEdge Inverter[2]	
Maximum Output Current	15	10	Adc
Maximum Output Voltage	60	Voc of connected PV module	Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM INVERTER OR INVERTER OFF)			
Safety Output Voltage per Power Optimizer	1	1[3]	Vdc
STANDARD COMPLIANCE			
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		
INSTALLATION SPECIFICATIONS			
Maximum Allowed System Voltage	1000		Vdc
Dimensions (WxLxH)	141 x 212 x 40.5 / 5.55 x 8.34 x 1.59		mm / in
Weight (including cables)	950 / 2.1		g / lb
Input Connector	MC3 / MC4 / Amphenol / Tyco / H+S		
Output Connector	MC4		
Output Wire Length	1.2 / 3.9		m / ft
Operating Temperature Range	-40 - +85 / -40 - +185		˚C /˚F
Protection Rating	IP65 / NEMA4		
Relative Humidity	0 - 100		%

[1] Rated STC power of the module. Module of up to +5% power tolerance allowed.

PV SYSTEM DESIGN	SOLAREDGE SINGLE PHASE INVERTER	SOLAREDGE THREE PHASE INVERTER	NON-SOLAREDGE INVERTER[2]	
Minimum String Length (Power Optimizers)	8	16	According to inverter design rules & PV module datasheet	
Maximum String Length (Power Optimizers)	25	50		
Maximum Power per String	5250	11250		W
Parallel Strings of Different Lengths	Yes		No	
Parallel Strings of Different Orientations	Yes		Yes	

[2] Available only if Safety & Monitoring Interface (SMI) is installed or if SafeDCTM is disabled during installation by a one-time operation using the SolarEdge Key.
[3] When SolarEdge Safety and Monitoring Interface (SMI) is turned off.

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