



## 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)			
<b>INPUT</b>			
Rated Input DC Power <sup>(1)</sup>		350	W
Absolute Maximum Input Voltage (Voc at lowest temperature)		60	Vdc
MPPT Operating Range		8 - 60	Vdc
Maximum Continuous Input Current (Isc)	Pxxx-2 series	10	Adc
	Pxxx-5 series	11	Adc
Maximum Efficiency		99.5	%
Weighted Efficiency		98.6	%
Overvoltage Category		II	
<b>OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)</b>		Power Optimizer connected to a SolarEdge Inverter	Power Optimizer connected to a Non-SolarEdge Inverter <sup>(2)</sup>
Maximum Output Current		15	Adc
Maximum Output Voltage		60	Voc of connected PV module
<b>OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM INVERTER OR INVERTER OFF)</b>			
Safety Output Voltage per Power Optimizer		1	1 <sup>(3)</sup> 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	
Fire Safety		VDE-AR-E 2100-712:2013-05	
<b>INSTALLATION SPECIFICATIONS</b>			
Maximum Allowed System Voltage		1000	Vdc
Dimensions (WxLxH)	Pxxx-2 series	141 x 212 x 40.5 / 5.55 x 8.34 x 1.59	
	Pxxx-5 series	128 x 152 x 27.5 / 5 x 5.97 x 1.08	
Weight (including cables)	Pxxx-2 series	950 / 2.1	
	Pxxx-5 series	770 / 1.7	
Input Connector		MC4 <sup>(4)</sup>	
Output Connector		MC4	
Output Wire Length		1.2 / 3.9	
Operating Temperature Range		-40 - +85 / -40 - +185	
Protection Rating	Pxxx-2 series	IP65 / NEMA4	
	Pxxx-5 series	IP68 / NEMA 6P	
Relative Humidity		0 - 100	

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

<sup>(2)</sup> Available only if Safety & Monitoring Interface (SMI) is installed or if SafeDC™ is disabled during installation by a one-time operation using the SolarEdge Key.

<sup>(3)</sup> When SolarEdge Safety and Monitoring Interface (SMI) is turned off.

<sup>(4)</sup> For other connector types please contact SolarEdge.

PV SYSTEM DESIGN	SOLAREEDGE SINGLE PHASE INVERTER	SOLAREEDGE THREE PHASE INVERTER	NON-SOLAREEDGE INVERTER <sup>(2)</sup>
Minimum String Length (Power Optimizers)	8	16	According to inverter design rules & PV module datasheet, minimum 4 power optimizers per string
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	

