



SolarEdge Power Optimizer

Module Add-On with IndOP™ technology

P350I



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			
Pxxx-2 series	11		Adc			
Pxxx-5 series	99.5		%			
Weighted Efficiency	98.6		%			
Overvoltage Category	II					
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)						
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)	Pxxx-2 series Pxxx-5 series	141 x 212 x 40.5 / 5.55 x 8.34 x 1.59 128 x 152 x 27.5 / 5 x 5.97 x 1.08	mm / in			
Weight (including cables)	Pxxx-2 series Pxxx-5 series	950 / 2.1 655 / 1.5	g / lb			
Input Connector	MC4 ⁽⁴⁾					
Output Connector	MC4					
Output Wire Length	1.2 / 3.9					
Operating Temperature Range	-40 - +85 / -40 - +185					
Protection Rating	Pxxx-2 series Pxxx-5 series	IP65 / NEMA4 IP68 / NEMA 6P				
Relative Humidity	0 - 100					
⁽¹⁾ Rated STC power of the module. Module of up to +5% power tolerance allowed.						
⁽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.						
⁽⁴⁾ For other connector types please contact SolarEdge.						

PV SYSTEM DESIGN	SOLAREDGE SINGLE PHASE HD-WAVE	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, minimum 4 power optimizers per string
Maximum String Length (Power Optimizers)	25		50	
Maximum Power per String	5700	5250	11250	W
Parallel Strings of Different Lengths	Yes			No
Parallel Strings of Different Orientations		Yes		

