



SolarEdge Power Optimizer - Zep Compatible™ Module Add-On



Compatible with Zep Groove framed modules

- Certified Zep Compatible™ bracket
- Attaches to module frame without screws - reduces on-roof labor and mounting costs
- Power optimizer equipment grounded through the bracket
- Up to 25% increase in power output
- Superior efficiency (99.5%) - peak performance in both mismatch and unshaded conditions
- Flexible system design for maximum space utilization
- Next generation maintenance with module-level monitoring and smart alerts
- Unprecedented installer and firefighter safety



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Module Add-On

OP250-LV-Z OP300-MV-Z

HIGHLIGHTS

- n Ensures equipment grounding - bond connection with Zep Compatible™ module
- n Eliminates the need to bolt the optimizer to the rail
- n Module-level MPPT - optimizes each module independently
- n Module-level monitoring for automatic module and string level fault detection allowing for easy maintenance
- n Unprecedented installer and firefighter safety mode - safe module voltage when inverter is disconnected or off
- n Allows parallel uneven string length and multi-faceted installations
- n Immediate installation feedback for quick commissioning

TECHNICAL DATA

	OP250-LV-Z	OP300-MV-Z	
INPUT			
Rated Input DC power (*)	250	300	W
Absolute Maximum Input Voltage (Voc)	55	75	Vdc
MPPT Operating Range	5 - 55	5 - 75	Vdc
Maximum Input Current (Isc)	10	10	Adc
Reverse-Polarity Protection	Yes		
Maximum Efficiency	99.5		%
European Weighted Efficiency	98.8		%
CEC Weighted Efficiency	98.7		%
Overvoltage Category	II		
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)			
Maximum Output Current	15		Adc
Operating Output Voltage	5 - 60		Vdc
Total Maximum String Voltage (Controlled by Inverter) - US and EU 1-ph	500		Vdc
Total Maximum String Voltage (Controlled by Inverter) - EU 3-ph	950		Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM INVERTER OR INVERTER OFF)			
Safety Output Voltage per Power Optimizer	1		Vdc
PV SYSTEM DESIGN USING A SOLAREEDGE INVERTER			
Minimum Number of Power Optimizers per String (1 or More Modules per power optimizer)	8 (1-ph system) / 16 (3-ph system)		
Maximum Number of Power Optimizers per String (1 or More Modules per power optimizer)	Module power dependent; maximum 25 (1-ph system) / 50 (3-ph system)		
Maximum Power per String	5250 (1-ph system) / 11250 (3-ph system)		W
Parallel Strings of Different Lengths or Orientations	Yes		
STANDARD COMPLIANCE			
EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3		
Safety	IEC-62103 (class II safety), UL1741		
Material	UL-94 (5-VA), UV Resistant		
RoHS	Yes		
INSTALLATION SPECIFICATIONS			
Dimensions includ. mounting bracket (W x L x H)	137 x 254 x 58 / 5.39 x 10 x 2.28		mm / in
Dimensions exclud. mounting bracket (W x L x H)	137 x 139 x 25.5 / 5.39 x 5.47 x 1.0		mm / in
Net Weight (Weight Includ. cables)	0.88 (1.18) / 1.94 (2.6)		kg / lb
Output Wire Type	Double insulated PV wire; 6 mm ² ; MC4		
Output Wire Length	0.95 m / 3 ft		
Input Connector	MC4 / Tyco / Amphenol		
Operating Temperature Range	-40 - +65 / -40 - +150		°C / °F
Protection Rating (Connector dependent)	IP67 / NEMA 6		
Relative Humidity	0 - 100		%

(*) Rated STC power of the module. Module of up to +5% power tolerance allowed.



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