



SolarEdge Safety and Monitoring Interface

SMI-35

MONITORING



Module-level monitoring and DC safety for optimized systems with non-SolarEdge inverters

- Interface between SolarEdge power optimizers that support IndOP™ functionality and non-SolarEdge inverters
- Module-level monitoring
- Safety shutdown of module voltage for installer and firefighter safety
- Not required for stand-alone power optimization
- Communication via RS232, RS485 or Ethernet
- IP65 - Outdoor installation





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MODEL	SMI-35-3C-01	
DC INPUT		
Maximum Input Voltage	1000	Vdc
Total Maximum Input Current	35	Adc
DC OUTPUT		
Maximum DC Output Voltage	1000	Vdc
Total Maximum Output Current	35	Adc
Current Sense	Yes	
AC INPUT		
Supported AC Voltage	90-264	Vac
AC Input Frequency	50 / 60 ± 5	Hz
Maximum AC Continuous Input Current	300	mA
Power Consumption	< 3.5	W
ADDITIONAL FEATURES		
Display	LCD and LED for full status review	
Remote Monitoring	Yes	
Module Safety DC Voltage	Yes	
On-site Master Shutdown	Yes	
Read Inverter Data	Yes*	
Supported Communication	RS485, RS232, Ethernet, ZigBee (optional)	
STANDARD COMPLIANCE		
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12	
Safety	UL1741, C22.2 No. 107.1	
INSTALLATION SPECIFICATIONS		
Dimensions (H x W x D)	206.6 x 316 x 117.5 / 8.1 x 12.4 x 4.6	mm/in
Weight	3 / 6.6	kg/lb
Input Type	3 x MC4 compatible connectors	
Operating Temperature Range	-20° - +60° / -4 - + 140	°C/°F
Protection Rating	IP65	
Material	Polycarbonate	

* For a list of supported non-SolarEdge devices, please refer to: <http://www.solaredge.com/articles/se-supported-devices>

