



# 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





# SolarEdge Safety and Monitoring Interface

## SMI-35

<b>MODEL</b>	<b>SMI-35-3C-01</b>	
<b>DC INPUT</b>		
Maximum Input Voltage	1000	Vdc
Total Maximum Input Current	35	Adc
<b>DC OUTPUT</b>		
Maximum DC Output Voltage	1000	Vdc
Total Maximum Output Current	35	Adc
Current Sense	Yes	
<b>AC INPUT</b>		
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
<b>ADDITIONAL FEATURES</b>		
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)	
<b>STANDARD COMPLIANCE</b>		
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12	
Safety	IEC62109	
<b>INSTALLATION SPECIFICATIONS</b>		
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>

