

Microinverters



MI80S*



MI80L*

Input Data (DC)		
Recommended PV Module Power (STC)	250W-480W	265W-570W
Operating Voltage Range	26V-60 V	
MPPT Voltage Range	28V-45 V	
Max Input Voltage	60 V	
Max Input Current	2 × 16 A	2 × 18 A
Max Input Short Circuit Current	20 A per Input	22.5 A per Input
Output Data (AC)		
Max Continuous Output Power	640 VA	768 VA
Nominal Output Voltage/Range**	240 V	
Nominal Output Current	2.7 A	3.2 A
Max Output Fault Current (AC) and Duration	5.7 Apk, 26.8 ms Duration, 3.3 Arms	
Nominal Output Frequency/Range**	60 Hz/58.8 Hz - 61.2 Hz (HECO: 57-63 Hz)	
Power Factor (Default/Adjustable)	0.99/0.8 Leading, 0.8 Lagging	
Max Units per 12AWG Branch***	6 (20 A Breaker)	5 (20 A Breaker)
Efficiency		
Peak Efficiency	97.3%	
CEC Efficiency	97.0%	
Nominal MPPT Efficiency	99.5%	
Night Power Consumption	20 mW	
Mechanical Data		
Operating Ambient Temperature Range****	-40 °F to 149 °F	
Operating Ambient Temperature Range****	-40 °F to 185 °F	
Dimensions (W × H × D)	10.3 × 8.6 × 1.7"	
Weight	6.8 lb	
DC Connector Type	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2	
Cooling	Natural Convection - No Fans	
Enclosure Environmental Rating	Type 6	
Features		
Communication (Inverter To Zigbee Dongle)*****	Encrypted Zigbee	
Isolation Design	High Frequency Transformers, Galvanically Isolated	
Energy Management	Anker SOLIX Professional (O&M Portal) Anker SOLIX Professional App (Installer) Anker App (User)	
Warranty*****	10 Years	
Compliance	UL1741; CSA C22.2 No. 107.1-16; UL1741SA; UL1741SB; IEEE1547; Rule 21; SRD-V2.0; FCC Part15; ICES-003; NEC2014&NEC2017&NEC2020 Section 690.11 DC Arc-Fault circuit Protection; NEC2014&NEC2017&NEC2020 Section 690.12 Rapid Shutdown of PV systems on Buildings	

*Only one microinverter model can be used in a system.

**Nominal voltage/frequency range can be extended beyond nominal if required by the utility.

***Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

****The inverter may degrade power under poor ventilation and heat dissipation environments.

*****Recommend no more than 80 inverters register to one Zigbee Dongle for stable communication.

*****To be eligible for the warranty, Anker SOLIX microinverters need to be monitored via the Anker cloud. Please refer to our warranty policy.