

Enphase Microinverter M190

Specifications



The Enphase Energy Microinverter System improves energy harvest, increases reliability, and dramatically simplifies design, installation and management of solar power systems. The Enphase System includes the micro-inverter, the Envoy Communications Gateway, and the web-based Enlighten monitoring and analysis website.

Input Data (DC)

Recommended input power (STC)	230W
Maximum input DC voltage	56V
Peak power tracking voltage	22V – 40V
Min./Max. start voltage	28V/54V
Max. DC short circuit current	12A
Max. input current	10A

Output Data (AC)

Maximum output power	190W
Nominal output current	920mA
Nominal voltage/range	208V/183V-229V
Extended voltage/range	208V/179V-232V
Nominal frequency/range	60.0/59.3-60.5
Extended frequency/range	60.0/59.2-60.6
Power factor	>0.95
Maximum units per branch	21

Mechanical Data

Operating temperature range	-40°C to +65°C
Night time power consumption	30mW
Dimensions (WxHxD)	8" x 5.25" x 1.25"
Weight	4.4 lbs
Cooling	Natural Convection – No Fans
Enclosure environmental rating	Outdoor – NEMA 6

Efficiency

Peak inverter efficiency	95.5%
CEC weighted efficiency	95.0%
Nominal MPP tracking	99.6%

Features

Communication	Powerline
Warranty	15 Years
Compliance	UL1741/IEEE1547 FCC Part 15 Class B



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