POWERLILY

2:1 MICROINVERTER | DATA SHEET

Powerlily Sample 2-1 Microinverter

PL-800M

A fictional two-module microinverter with two independent MPPTs and one module input per MPPT.



POWERLILY SAMPLE EQUIPMENT

Key specifications	
Rated AC power	**800 W**
Modules served	**2**
MPPTs	**2**
Max DC power	**1.2 kW**
MPPT operating range	**28-55 V**
Nominal AC voltage	**240 V**
Dimensions (H x W x D)	**8.3 in x 6.9 in x 1.2 in**

Two independent MPPTs

Each connected module has its own MPPT for straightforward module-level modeling.

Per-input limits

DC current limits apply to each module input rather than the inverter total.

Training-first data

Purpose-built to exercise Powerlily workflows without representing a commercial device.

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Powerlily Sample 2-1 Microinverter

PL-800M | SAMPLE DATA

Product details	
Model number	PL-800M
Description	Sample microinverter with two independent MPPTs and one module input per MPPT. DC current limits are per input.
Inverter type	Microinverter
Modules serviced	2
Limited warranty	25 years

DC input	
Number of MPPTs	2
Strings / inputs per MPPT	1
Maximum DC power	1,200 W
Maximum DC power per MPPT	600 W
Maximum input voltage	60 V
Minimum input voltage	22 V
MPPT operating range	28-55 V
Maximum input current per input	12.0 A
Maximum short-circuit current per input	18.0 A

AC output	
Rated AC power	800 W
Nominal AC voltage	240 V
Efficiency	96.5%

Mechanical data	
Dimensions (H x W x D)	8.3 in x 6.9 in x 1.2 in
Weight	2.4 lb