POWERLILY

4:1 MICROINVERTER | DATA SHEET

Powerlily Sample 4-1 Microinverter

PL-1600M

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



POWERLILY SAMPLE EQUIPMENT

Key specifications

Rated AC power	**1.6 kW**
Modules served	**4**
MPPTs	**4**
Max DC power	**2.4 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**

Four independent MPPTs

Exercises four-panel assignment, branch design, and SLD generation workflows.

Per-input limits

Each input is modeled with a 12 A maximum current and 18 A short-circuit current.

Clearly fictional

Every page is marked as sample data so it cannot be mistaken for listed equipment.

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Powerlily Sample 4-1 Microinverter

PL-1600M | SAMPLE DATA

Product details	
Model number	PL-1600M
Description	Sample microinverter with four independent MPPTs and one module input per MPPT. DC current limits are per input.
Inverter type	Microinverter
Modules serviced	4
Limited warranty	25 years

DC input	
Number of MPPTs	4
Strings / inputs per MPPT	1
Maximum DC power	2,400 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	1,600 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