POWERLILY

MICROINVERTER | DATA SHEET

Powerlily Sample Microinverter

PL-400M

A fictional one-module microinverter with one independent MPPT for Powerlily onboarding, SLD exercises, and proposal demos.



POWERLILY SAMPLE EQUIPMENT

Key specifications	
Rated AC power	**400 W**
Modules served	**1**
MPPTs	**1**
Max DC power	**600 W**
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**

One module, one MPPT

A simple one-to-one topology for teaching module-level power electronics.

Defined operating window

Representative 28-55 V MPPT range with a 60 V maximum DC input voltage.

Per-input current limits

The 12 A input and 18 A short-circuit limits apply to the single module input.

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Powerlily Sample Microinverter

PL-400M | SAMPLE DATA

Product details	
Model number	PL-400M
Description	Sample microinverter with one independent MPPT and one module input. DC current limits are per input.
Inverter type	Microinverter
Modules serviced	1
Limited warranty	25 years

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