



Microgrid Interconnect Device

HMID-200-USG1

Description

HMID-200-USG1 paired with Hoymiles energy storage inverter provides an elegant whole home backup solution for residents.

HMID-200-USG1 communicates with Hoymiles energy storage inverter, providing intelligent transfer between on-grid mode and backup mode, and is equipped with firmware OTA function.

Reserved service entrance circuit breakers and smart energy meters can bring minimal installation time and cost savings.

Features

01

No bulky transformer with energy storage inverter for backup operating

02

Maximum 10 kA short circuit current protection

03

Reliable operation mode transition with 200 A contactor

04

Supports generator mode with a maximum generator current of 100 A

05

Supports whole-home backup;
Up to three energy storage inverters can be connected

06

Integrated with contactor manual override

Technical Specifications

Model	HMID-200-USG1
Connection to Utility Grid and Household Distribution	
Nominal AC voltage (V)	120/240 (split phase)
Nominal grid frequency (Hz)	60
Max. continuous current rating (A)	160
Max. grid port overcurrent rating (A) ⁽¹⁾	200
Max. backup load port overcurrent protection device (A)	200
Max. short circuit current rating (kA)	10
Overvoltage category	Category IV
Connection to Inverter	
Max. continuous current rating for solar (A)	64
Max. overcurrent protection device rating for solar (A)	80
Max. continuous current rating for storage (A)	48
Max. overcurrent protection device rating for storage (A) ⁽²⁾	60
Connection to Smart Load	
Max. continuous current rating (A)	64
Max. overcurrent protection device rating (A)	80
Connection to Generator	
Max. continuous current rating (A)	100
Max. overcurrent protection device rating (A)	125
General	
Dimensions (W × H × D)	25.63 × 29.4 × 5.55 inch (651 × 747 × 141 mm)
Weight	46.3 lb/21 kg
Mounting	Wall mounting
Operation temperature	-4 to +122°F (-20 to +50°C)
Relative humidity	0-95%, no condensing
Altitude	≤9843 ft (3000 m)
Cooling	Natural convection
Protection degree	Type 3R
Certifications and Standards	
Safety regulations	UL 1741, CSA C22.2 NO.1071, UL 1741 PCS, UL 67, UL 869A
EMC	FCC part 15 class B

(1) Circuit breaker is required for installation at the service entrance.

(2) There are three branches for storage connection.