



# Smart Main Panel

# SMP - 200 UG

## Performance Specifications

AC Voltage (Nominal).....	120/240V
Grid Connection.....	Single Phase
Grid Frequency.....	60Hz
Solar Disconnect Ampacity.....	100A
Busbar Rating.....	225A
Sub-feed Lug Rating.....	225Amax
Maximum Input Short Circuit Current.....	22kaic
Main Overcurrent Protection Device.....	200 A Breaker
Controllable Circuits .....	20/40
AC Metering .....	ANSI revenue Accurate (+/-0.5%)

## Environmental Specifications

Operating Temperature.....	-22 to 122 F (-30 to 50 C)
Operating Humidity (RH).....	Up to 100% condensing
Environment.....	Indoor & Outdoor Rated
Enclosure Type.....	3R Type

**22KA RMS SYMMETRICAL WITH MAIN BREAKER INSTALLED, OTHERWISE 10KA. SERVICE ENTRANCE RATED WHEN MAIN BREAKER INSTALLED. COMPATIBLE WITH TANDEM/QUAD BREAKERS AT MARKED POSITIONS.**

**AVAILABLE 40A EATON SMART BREAKERS ENABLE CIRCUIT-LEVEL CONTROL AND ADDITIONAL SMART HOME AUTOMATION FEATURES THROUGH MOBILE APPLICATION VIA WIFI CONNECTION.**

## Mechanical Specifications

Enclosure Dimensions.....	54" tall x 14 ¼ wide x 6 ½ deep
Weight.....	90 lbs (34kg)
Mounting Options.....	Semi Flush
Environment.....	Indoor & Outdoor Rated
Enclosure Type.....	3R Type

**SMP REQUIRES AN APPROVED EXTERNAL AUTOMATIC TRANSFER SWITCH FOR BATTERY BACK UP**

## Compliance Information

Emissions.....	FCC Part 15 Class B
Other .....	NEC compliant



# Maximum Ampacity Specifications

As a 200A-rated main service panel, Smart Main Panel allows like-to-like main panel swaps that result in usable ampacity service well over 200A

- 1** 225A load center for all, 20-40 breaker space
- 2** 200A main breaker
- 3** 100A solar disconnect
- 4** 200A overhead/underground utility meter
- 5** 125A solar load center, 10-12 Breaker space

**125 A**


Requires subpanel integration with ADU meter




3 Tesla Powerwalls = **90A**




**Up to 100 A**

**Solar Production**  
Requires sufficient solar panel system integration   
**14 kW Solar System = 100A Service**

**Up to 90 A**

**Battery Discharge**  
Requires sufficient battery system integration 

 **Maximum Daytime Ampacity Service**  
*With full solar production, battery capacity, and utility import*  
2 batteries .....360A  
3 batteries .....390A

 **Maximum Nighttime Ampacity Service**  
*With full battery capacity and utility import*  
2 batteries .....260A  
3 batteries .....290A