

EPM01 EnerSync Power Monitor

EnerSync Power Monitor is an energy monitoring device equipped with high-precision measurement, real-time data transmission, and integrated smart charging management algorithms. Using non-contact measurement technology, it continuously monitors current changes in electrical circuits and transmits the data over the network to both the cloud platform and connected EV chargers. This enables real-time monitoring of the home's power system while supporting intelligent EV charging management.

Certified to NA/EU Standards



High-Precision Real-Time Monitoring

Current sampling rate: 7.2 kHz, measurement accuracy: $\pm 1\%$, maximum range up to 200A, supporting 2 channels of three-phase monitoring.

Safety & Reliability

Non-contact measurement ensures no impact on monitored circuits and complies with ETL and CE certification standards for secure operation.

Intelligent Charging Management Algorithm

Built-in smart charging management algorithm dynamically balances EV chargers and household loads, prioritizes solar energy use, and delivers safe, economical, and fully automated EV charging.

Convenient Maintenance

It supports Ethernet and Wi-Fi connectivity, enables remote management and OTA updates, and features a one-touch reset for easy maintenance.

SPECIFICATION

General Specifications - EnerSync Power Monitor	
Model No.	EPM01
Input	110-240 VAC, 50-60Hz
Measurement Accuracy	$\pm 1\%$
Maximum Value of Voltage Measurement	264VAC L-N Per Channel
Voltage Measurement Channels	3
Current Measurement Channels	NA: 200A*2 100A*2(Optional,PV-Power) EU: 100A*3 100A*3(Optional,PV-Power)
Power usage	<3 watts
Wi-Fi	2.4 GHz IEEE 802.11b/g/n
Ethernet	10/100Base-T, IEEE 802.3
Measurement Category	200A CT Ports: Measurement Category IV 100A CT Ports: Measurement Category III
CT Wire Length	1m
CT Inside Diameter	200A CT: 22mm 100A CT: 15mm
Operating conditions	-22° to 140° F (-30° to 60° C) 0 to 95% RH Up to 3,000 meters
Certification Standards	UL2808/IEC 61010
Certifications	ETL/FCC/CE