

CHILICON POWER CP-100 GATEWAY



<http://www.chiliconpower.com/resources/videos>

On-Site Array Configuration

PLC, WiFi, Ethernet, and ZWave

Production and Consumption Monitoring

In-Wall or On top of Wall Mounting

Automatic Cloud Monitoring Support

The GATEWAY is a monitoring system for communicating with the inverters in your array that can be cloud interconnected or can run stand-alone. The GATEWAY provides a 7" 800 x 480 LCD Touch Screen making it very informative and easy to use. Setup of your solar array's configuration occurs on the gateway screen and does not require interaction with remote servers or websites.

Powerline communications with the GATEWAY use a sophisticated multi-rate, error-resistant and encrypted powerline communications technology to connect to each microinverter without additional wiring.

In addition to the power line communications interface to inverters, the GATEWAY also has a zWave wireless interface that enables power consumption monitoring via current clamps placed in any utility panel. Cloud communication, if desired, is performed through an Ethernet or integrated Wi-Fi interface.

One GATEWAY can communicate with up to 255 microinverters. For larger commercial installations, multiple GATEWAY devices are used in combination with Line Communications Filters (LCF) to separate networking domains across the site.

CP-Gateway Operating Specifications

INPUT (AC)

120V single phase / 208V 3-phase	L1 and N (CP-100) / or L1,L2,L3,N (CP-100-3)
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MECHANICAL DATA

Ambient temperature range	-40°C to +65°C
Dimension (W x H x D) including connectors	8.5" x 6" x 1.75" (or x 0.2" if flush mount to wall)
Weight	0.63 kg (1.4 lbs)
Enclosure rating	Indoor by default / Outdoor with additional NEMA 4x enclosure

FEATURES

Communication	Power line (130.2 kHz carrier)
Monitoring	Free monitoring via gateway or online software
Compliance	FCC 15 Part B, CISPR 22 Class B