

CHILICON POWER CP-100

Communication Gateway



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

CP-100™ Gateway

The Chilicon CP-100 is an easy-to-install, informative, and feature rich gateway that coordinates communications between the deployed microinverters, other smart home devices, and the cloud. The integrated 7" 800x480 pixel touch screen display plugs into any standard AC outlet and provides an ergonomic interface to the PV array and other connected appliances. In addition to monitoring production, utility panel attachment of current transducers allows the gateway to also function as a consumption monitor. The CP-100's advance control functions enable a variety of operational modes, including zero export and AC coupling for battery or microgrid connected systems.

Simplicity

- Connects via a standard power outlet
- Auto detect and registration of connected micros
- Ergonomic LCD touchscreen interface
- Allows for onsite array configuration and mapping

Versatility

- Up to 1000 micros per gateway
- Single or three phase system compliant
- Stand alone or cloud connect via WiFi or Ethernet
- Supports production and consumption monitoring
- Additional z-wave wireless interface included
- Installer name display option on main screen

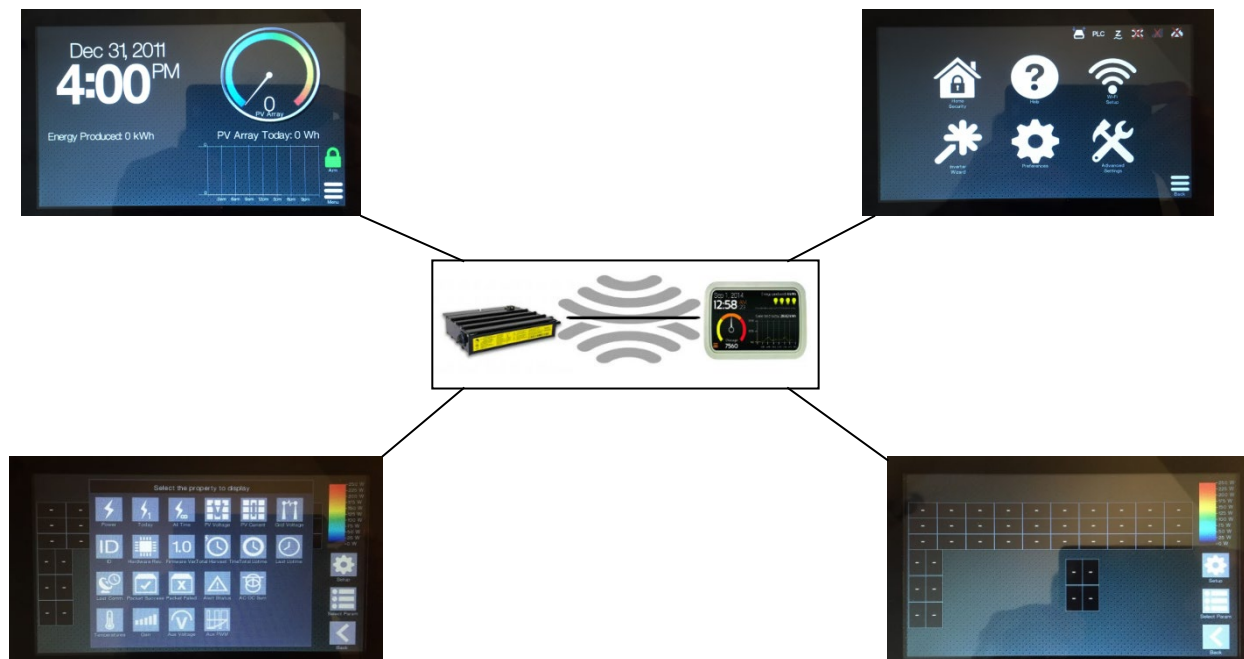
Reliability & Compliance

- Robust multi-rate, encrypted PLC connection
- Automatic firmware updates
- Proprietary software immune to virus attacks
- Journaling filesystem for microSD integrity
- Wide range of operation temperatures
- FCC 15 part B, CISPR 22 Class B compliant





CP-100™ Gateway Display Screens



CP-100™ Gateway Operating Specifications

INPUT (AC)

120V single phase / 208V 3-phase

L1 and N (CP-100) / or L1,L2,L3,N (CP-100-3) (with adaptor)

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), up to 1000 micros*

Monitoring

Free monitoring via gateway or online software

Compliance

FCC 15 Part B, CISPR 22 Class B

Accuracy**

+/- 2.5%

* Additional devices require networking separate domains using Line Communication Filters (LCF).

**Higher accuracy monitoring requires the use of a Revenue Grade Meter (RGM).