Chilicon Power Accessories

CHILICON POWER CP-100

Communication Gateway



http://www.chiliconpower.com/resources/videc

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

Versatility

- Supports up to 255 micros
- Stand alone or cloud connect via WiFi or Ethernet
- Single or three phase system compliant
- Production and consumption monitoring
- zWave wireless interface
- Enables remote firmware updates

Reliability & Compliance

- Multi-rate, encrypted PLC
- Proprietary software immune to virus attacks
- Wide range of operation temperatures
- FCC 15 part B, CISPR 22 Class B compliant

MADE IN USA

ISO 9001

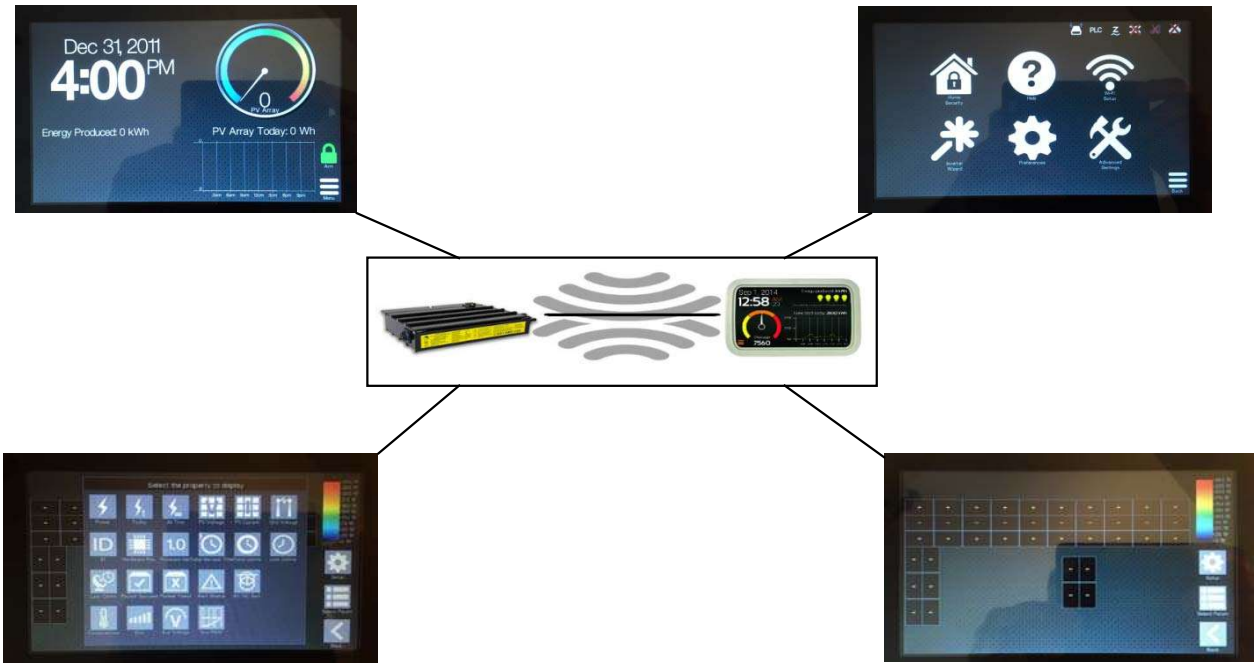
Intertek

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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)
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 255 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).

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To learn more about Chilicon Power Microinverters, visit, chiliconpower.com