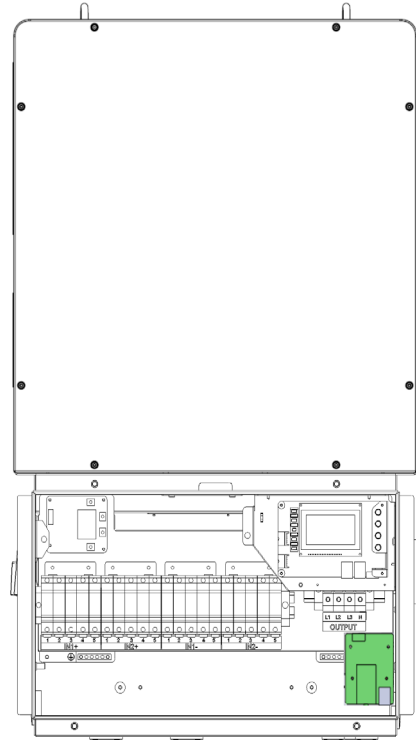


# CPS Flex Gateway

Model CPS GW-3PKTL-US



The CPS Flex Gateway is a new monitoring and controls solution for the CPS 23 to 60kW inverter line. The gateway acts as a Modbus master data logger and gateway solution for monitoring and controlling commercial and utility scale inverter applications. This flexible monitoring solution enables three parallel outbound communication options: (1) local pass-through Modbus data to 3rd party solutions, (2) Ethernet based communications to the CPS portal and (3) a programmable Ethernet based connection to a location chosen by the customer.

The Flex Gateway enables remote F/W upload by the CPS Service team, enabling efficient field service solutions for our customers. The remote upload function is facilitated by the CPS Monitoring Portal.

## Key Features

- Installed in a single inverter wire-box: no power or extra equipment required
- Modbus communications input (up to 32 inverters per card) - Modbus TCP/IP or RS485
- Complete controls functionality via Modbus (per inverter or broadcast command)
- Flexible outbound communications
- Programmable IP address for customer direct data (json format)
- Remote F/W solution
- Pass-through data for local 3rd party solutions (Modbus RS485)
- Low cost

|   |  |
|---|--|
| Model Name                              | CPS GW-3PKTL-US  |
| <b>Communications</b>                   |  |
| Inverter interface                      | RS485  |
| User interface                          | Standard: RS485, Ethernet, USB   |
| Inverter connections per card           | 32   |
| Protocol                                | HTTPS, DHCP, DNS Resolution, Modbus TCP  |
| <b>Monitoring</b>                       |  |
| Web connections                         | IP addresses: CPS + Programmable location  |
| Local monitoring                        | Wired connection to the Data logger (integrated web GUI)   |
| Remote monitoring                       | CPS platform or 3rd party platform   |
| <b>Data logging Specifications</b>      |  |
| Data sampling rate                      | Programmable data sampling (1 to 15 minute sample rate)  |
| Local data storage                      | Log data for 30 days based on 15 minute intervals  |
| Upgradeability                          | Remotely via CPS platform or 3rd party platform / locally via USB  |
| Data parameters                         | Modbus ID, Inverter S/N's, Model, TYield/DYield(kWh), RunT(min), Mode, Upv(V), Ipv(A), Pac(kW), PF, Freq(Hz), Uabc(V), Iabc(A) |
| <b>Advanced Functions</b>               |  |
| Remote O&M operations                   | Inverter parameter settings / inverter firmware upgrade  |
| Controls Capability                     | Capable of control commands via Modbus (ie; PF control, Active power curtailment, Remote reset)                                |
| <b>Power Supply</b>                     |  |
| DC power supply output                  | ~ 2W   |
| <b>Environmental Parameters</b>         |  |
| Ambient temperature range               | -30 to +85°C   |
| Environmental protection                | Installed in NEMA 4X wire-box  |
| Relative humidity                       | <85% Non-condensing  |
| <b>Mechanical Parameters (per unit)</b> |  |
| Dimensions (H x W x D)                  | 86mm × 69mm × 16mm   |
| Weight                                  | 50g  |

