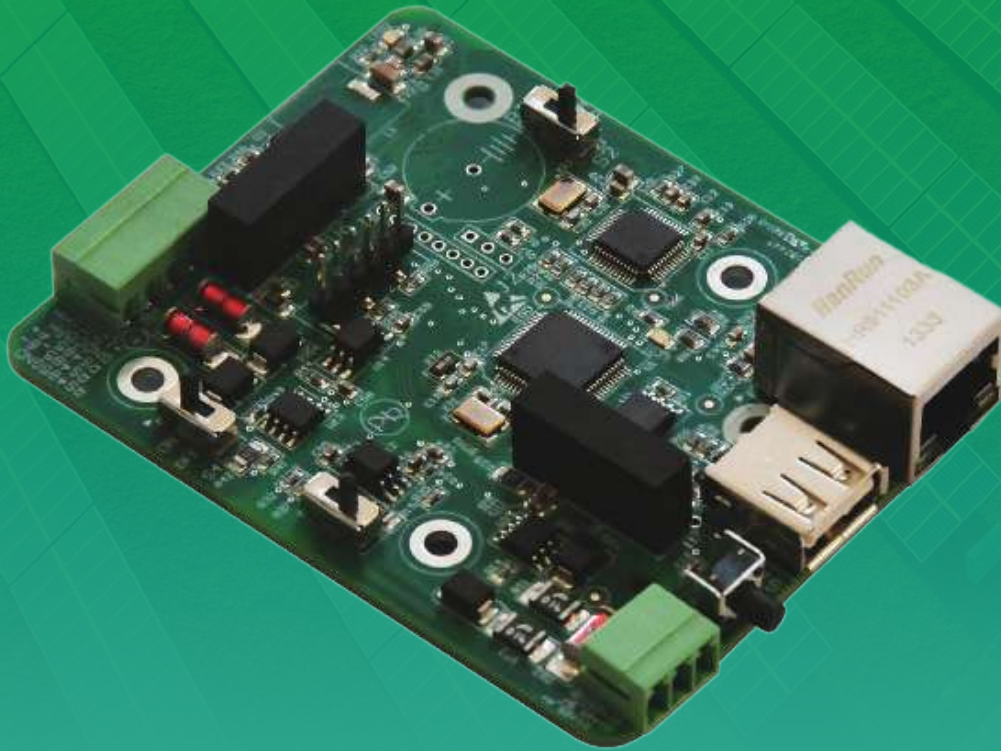


CPS Flex Gateway



CPS Flex Gateway is a new monitoring and control solution for the CPS 25 to 275kW inverter line.

The CPS Flex Gateway is a Modbus network for monitoring and controlling commercial and utility-scale inverter applications.

acts as the main data logger and gateway solution. This flexible imaging solution provides three parallel outgoing communication.

Provides the opportunity to: (1)

Local migration of Modbus data to 3rd party solutions, (2) Ethernet-based communication to the CPS portal, and (3) customer.

programmable Ethernet-based connection to a location selected by the CPS Service team.

Flex Gateway allows remote F/W installation by the CPS Service team, enabling efficient field.

service solutions. Remote installation functionality is provided by the CPS Imaging Portal.

Main Features

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

CPS Flex Gateway



Model Name	Flex Gateway
Communication	
Inverter Interface	RS485
User Interface	Standart: RS485, Ethernet, USB
Inverter Connections Per Board	32
Protocol	HTTPS, DHCP, DNS Resolution, Modbus TCP
Imaging	
Web Links	IP addresses CPS + Programmable location
Local Monitoring	Wired connection to the data logger (integrated web GUI)
Remote Monitoring	CPS platform or 3rd party platform
Data Logging Features	
Data Sampling Rate	Programmable data sampling (1 to 15 minutes sampling rate)
Local Data Storage	30 days of data logging at 15-minute intervals
Updateability	Remote via CPS platform or 3rd party platform / locally via USB
Data Parameters	Modbus, Inverter S/N'leri, Model, TYield/DYield(kWh), RunT(min), Mod, Upv(V), Ipv(A), Pac(kW), PF, Freq(Hz), Uabc(V), Iabc(A)
Advanced Functions	
Remote O&M Operations	Inverter parameter settings / inverter firmware update
Ability to Control	Ability to control commands via Modbus (i.e. PF control, Active power interruption, Remote reset)
Power Supply	
Dc Power Supply Output	~ 2W
Environmental Parameters	
Ambient Temperature Range	-30 to +85°C
Environmental Protection	Installed in a NEMA 4X cable box
Relative Humidity	<85% Non-condensing
Mechanical Parameters (Per Unit)	
Dimensions (H x W x D)	86mm * 69mm * 16mm
Weight	50g

* "output voltage range", "Output frequency range" maybe varied depends on specific national grid standard.