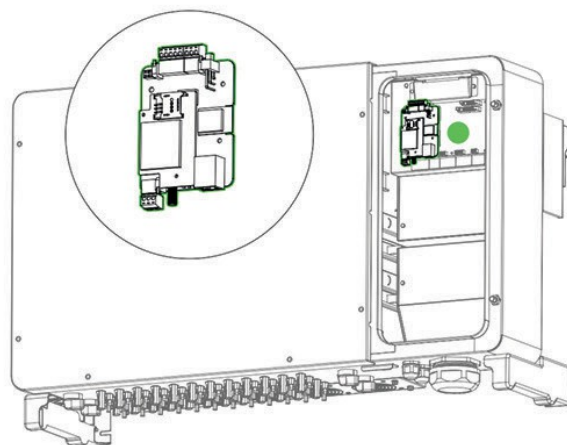
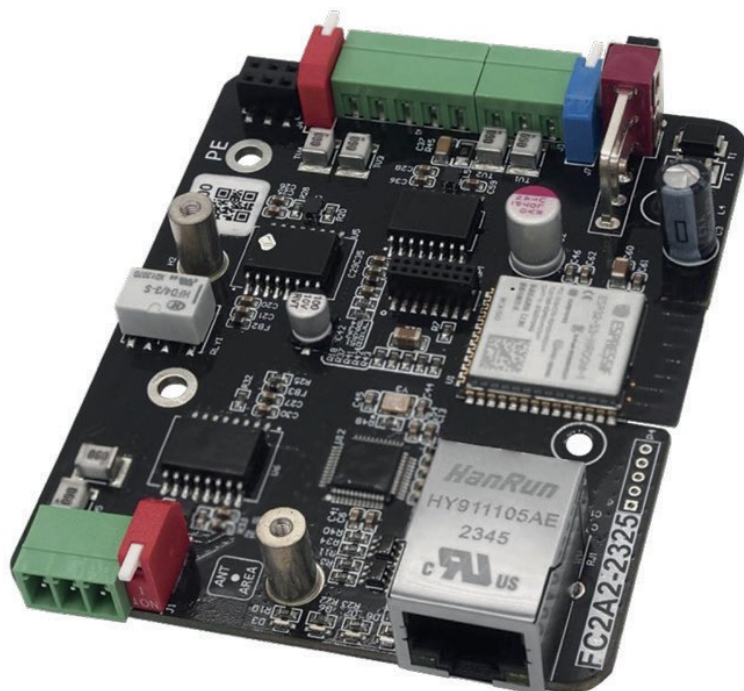




CPS FLEX GATEWAY

The CPS Flex Gateway is a new monitoring and control solution for the CPS line of inverters. The gateway acts as a Modbus master data logger and as a gateway solution for monitoring and controlling commercial-scale and utility-scale inverter applications. This flexible monitoring solution supports three parallel outbound communication options: (1) local Modbus data for integration with third-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 allows for remote firmware uploads by the CPS service team, enabling efficient field service solutions for our customers. The remote upload feature is facilitated by the CPS Monitoring Portal.

Key Features

- Installed in a single inverter junction box: requires no additional power or equipment
- Modbus communication input (up to 32 inverters per card) – Modbus TCP/IP or RS485
- Full control functionality via Modbus (per inverter or broadcast command)
- Flexible outgoing communications
- Programmable IP address for direct customer data (JSON format)
- Remote firmware solution
- Data pass-through for third-party local solutions (Modbus RS485)
- Low cost

CPS Flex Gateway

EWX2

Model Name	EWX2
Communications	
Inverter Interface	RS485
User Interface	Standard: RS485, Ethernet, USB
Inverter Connections via Card	32
Protocol	HTTPS, DHCP, DNS resolution, Modbus TCP
Monitoring	
Web Connections	IP Addresses: CPS + Programmable Location
Local monitoring	Wired connection to the data logger (integrated web GUI)
Remote monitoring	CPS platform or third-party platform
Data logging specifications	
Data sampling rate	Programmable data sampling (sampling frequency from 1 to 15 minutes)
Local data storage	30-day data logging based on 15-minute intervals
Update Capability	Remotely via the CPS platform or a third-party platform / locally via USB
Data parameters	Modbus ID, inverter serial numbers, model, total output/daily output (kWh), operating time (min) Mode, Upv (V), Ipv (A), Pac (kW), FP, Frec (Hz), Uabc (V), Iabc (A)
Advanced functions	
Remote OFM operations	Inverter parameter settings / inverter firmware update
Control Capabilities	Capable of control commands via Modbus (e.g., FP control, active power limitation, remote reset)
Power Supply	
DC power supply output	~ 2 W
Environmental Parameters	
Ambient Temperature Range	-30 to +85 °C
Environmental Protection	Installed in a NEMA 4X junction box
Relative humidity	<85% non-condensing
Mechanical Specifications (per unit)	
Dimensions (Width × Height × Depth)	86 mm × 69 mm × 16 mm
Weight	50 g