

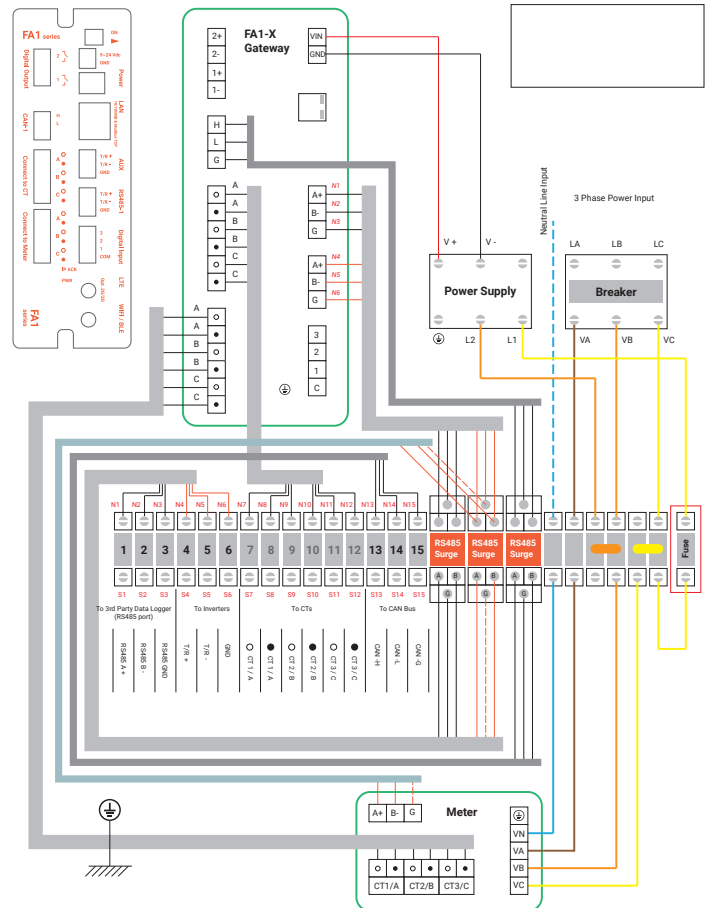
FlexOM Meter V2



The CPS Commercial Monitoring Package is a complete data acquisition, monitoring and control package aimed for small to medium commercial applications. This turnkey solution includes a customer-facing monitoring Portal, Flex Gateway data logger, site activation mobile app, and revenue-grade site meter.

Key Features

- Low-cost, complete hardware and software package
- Includes revenue-grade site-level meter (CTs not supplied, and must have output voltage of 0.333Vac at full scale)
- Full access to inverter data (15+ parameters per inverter)
- 1- to 20-minute interval data (download up to 5 years of site data)
- 5 years of monitoring included (extensions available)
- Automated site commissioning report
- Up to 32 devices per Flex Gateway (no additional fees for each inverter connection)
- Site activation with "CPS Connect Pro" app (iOS and Android)
- Inverter on/off, remote arc-fault reset, PF and active power curtailment controls capability
- Remote CT reversal capability





Model Name	FlexOM Meter V2	FlexOM-4G Meter V2
BOM List		
NEMA 4 Type Enclosure	×	×
Wall & pole mounting accessories	×	×
Breaker 3P, 5A, 690Vac, 2.5kAIC	×	×
AC-DC Power Supply 150-900Vac input, 12V output, 18W	×	×
RS485 Surge 12Vdc, 20kA, ≤1ns	×	×
Flex Gateway V2 Card FA1-X	Flex Gateway V2 Card	Flex Gateway V2 Card
Pre-Installed 4G SIM Card		×
Data Plan (compatible with AT&T, T-Mobile, or Verizon) 5 years for 32 devices in a daisy chain		×
Revenue Meter WattNode® revenue-grade wide-range Modbus® meter	×	×
CPS Flex Gateway		
Inverters to Gateway	Modbus®RS485	
Gateway to Portal	Ethernet	
Inverter Connections Per Card	1 - 32	
Protocols	SunSpec XML HTTPS, CPS Modbus® RTU	
Local Programming	Wi-Fi to CPS Connect Pro app (iOS and Android)	
Data Sampling Rate	Programmable data sampling (1- to 20-minute sample rate)	
Local Data Storage	30 days based on 20-minute intervals	
Data Parameters	Modbus®ID, Inverter S/N's, Model, Tyield/Dyield(kWh), Eff(%), PF, Pmax(kW), Pac(kW), Sac(kVA), Uabc(V), Iabc(A), Upv(V), Ipv(A), Freq(Hz), Mode, Time, Event	
Revenue-Grade Meter		
Meter Type	WattNode® revenue-grade wide-range Modbus® meter	
Input Voltage	Line powered from 3Phs, 208/480/600 Vac, 60Hz	
Communication Protocol	Modbus® RTU RS485	
Measurement Accuracy	ANSI C12.20 class 0.5 and ANSI C12.1	
Update Rate	Approximately 0.1 second	
Startup Time	≤ 1 second after the supply voltage is applied	
Monitoring		
Interface	CPS web-based customer-facing portal	
Inverter Controls	On/Off, PF control, active power curtailment, remote arc-fault reset	
Inverter Data Parameters	Pac(kW), Uabc(V), Iabc(A), Upv(V), Ipv(A), Temp(C), THDv, THDi	
Site-Level Production	Energy(kWh) Day, Month, Year	
Real-Time or Daily Notification	Status, Warning, Protect, Fault	
Commissioning Reports	System info: Site address, installation date, rated kWAC/DC Inverter info: Model, S/N, firmware, V/F relay settings, performance	
Production Reports	Modbus ID, Inverter S/N's, Model, Tyield/Dyield(kWh), Eff(%), PF, Pmax(kW), Pac(kW), Sac(kVA), Uabc(V), Iabc(A), Upv(V), Ipv(A), Freq(Hz), Mode, Time, Event	
Environment		
Operating Temperature Range	-40°C to +60°C (-40°F to +140°F)	
Relative Humidity	4% to 100%	
Max. Operating Altitude	4,000 m (13,123 ft.)	
Mechanical Parameters (Meter Enclosure)		
Dimensions (H x W x D)	13.7" x 21.6" x 7.5" (350mm x 550mm x 190mm)	
Weight	26.5lb (12 kg)	
Protection Degree	NEMA 4 / IP65	
Installation Options	Wall mounting; pole mounting	