

QBRICK

MULTI-TENANT SMART METER

The QBrick is a Multi-Tenant Smart revenue grade electrical power meter in a compact, rugged enclosure.

The QBrick is easy to install and operate. Its space saving footprint is designed for use in retrofit and new construction applications. QLC's communication device can collect and push data directly to the Quadlogic cloud database or directly to a specified database or building automation system.



BENEFITS:

- A self-contained, compact, rugged enclosure saves significant installation costs
- Monitors six (6) 2-phase circuits and can be daisy chained to 96 2-phase circuits
- Measures kWh, kVarh (Four-Quadrant), and kVAh
- Measures True RMS Volts, Amps, Power, Power Factor, Frequency
- Meets all requirements of ANSI C12.20
- 60 Days of 5 minute interval data stored locally for all parameters
- Detailed event recording for diagnostic purposes
- Battery backup for Real Time Clock (when power is lost) - 3-Year 'Equivalent' battery life if continuously on battery power.
- Hardware lockable meter configuration
- Communication setting reset button
- LED lights to indicate power and communication status
- Secure and reliable non-volatile flash memory
- Optional LCD Display Unit available
- Five-Year warranty
- ETL approved to meet UL 61010 safety standards

TECHNICAL SPECIFICATIONS

Metering Reference Voltage	2-Phase 6 Metering Loads with 90-250 V L-N (Auto-Ranging)
Current Input Rating	0.1 Amp Secondary Current Transformers (CTs)
Data Interrogation Options	Automated Data Push to Cloud Database, Display Unit, Feed into BMS using Modbus or into BACNet system using BACNet converter
Current Input Configuration	Six (6) 2-phase circuits. Can daisy chain meters up to 96, 2-phase circuits
Accuracy	ANSI 0.5 Class Accuracy (with CTs)
Communication Protocol	Modbus RTU over standard 2-wire RS485 Configurable KYZ pulse output
Memory	Non-Volatile Memory Stores 60 Days of 5 min Interval Data & 1000 Event Records
Interval Programming	5 min interval data, 288 intervals per day
Power Consumption	2W
Dimensions	L x W x D = 266.7 mm x 127 mm x 68.58 mm
Weight	4 lbs.
Operating Temperature	-20°C to 55°C
Environment	Retrofit or New Construction, Indoor Installation, Dry non-condensing
Input Power Voltage	85 ~ 265 VAC/DC
Measured Parameters	kWh, kVarh (Four-Quadrant), and kVAh, True RMS Volts, Amps, Power, Power Factor, Frequency
Pulse Constant	1Wh/Pulse
Mounting Options	DIN Rail & Wall Mount

Note: Above specifications are subject to change without notice

ORDERING INFORMATION

MODEL NUMBER

METER POINTS

PHASE

QBRICK-JQ-2P6M

6

2-phase