

TRIACTA METER FEATURE COMPARISON

Meter Specifications	PowerHawk 4x06	PowerHawk 4x24	PowerHawk 6x03	PowerHawk 6x12	PowerHawk 6320	Triacta GATEWAY
Meter Elements	6	24	6	24	50	12,24,36,48
Single Phase	6	24	6	24	20	1 to 48 (flex)
Two Phase	3	12	3	12	20	1 to 24 (flex)
Three Phase	2	8	2	8	10 (+10N)	1 to 16 (flex)
CT Current Outputs						
80mA CT	4306	4324	6303	6312	6320	GXXXX X=8
100mA CT	4106	4124	6103	6112	No	GXXXX X=1
333mV CT (split core)	4206	4224			No	GXXXX X=3
5ACT	No	No	No	6412	No	No
Sense Voltage / Frequency						
120/208V/60HZ	Yes	Yes	Yes	Yes	Yes	Yes
120/240V/60HZ	Yes	Yes	Yes	Yes	Yes	Yes
240/416V/60HZ	Yes	Yes	Yes	Yes	No	Yes
277/480V/60HZ	Yes	Yes	Yes	Yes	No	Yes
230V/50Hz	Yes	Yes	Yes	Yes	No	Yes
Meter Measurements						
Active Energy	Yes	Yes	Yes	Yes	Yes	Yes
Energy (Wh received)	Yes	Yes	Yes	Yes	No	Yes
Reactive Energy (VARh delivered)	Yes	Yes	Yes	Yes	No	Yes
Reactive Energy (VARh received)	Yes	Yes	Yes	Yes	No	Yes
Apparent Energy	Yes	Yes	Yes	Yes	No	Yes
Watt Demand	Yes	Yes	Yes	Yes	No	Yes
VA Demand	Yes	Yes	Yes	Yes	No	Yes
Current (Irms)	Yes	Yes	Yes	Yes	No	Yes
Voltage (Vrms)	Yes	Yes	Yes	Yes	Yes	Yes
Metering Mode						
Cumulative Register	Yes	Yes	Yes	Yes	Yes	Yes
Interval	Yes	Yes	Yes	Yes	Yes	Yes
Accuracy						
Revenue Grade Platform (Meter + Solid Core CTs) ANSI C12.20, Class 0.5, Independently Certified	4106, 4306	4124, 4324	6103, 6303	6112, 6312, 6412	6320 (Self-declared)	GXXXX (In Progress) X=8 and/or X=1
Energy Management Platform (Meter + Split Core CTs)	4206	4224	No	No	No	GXXXX X=3
Jurisdictional Acceptance (Residential Metering/Billing)						
Measurement Canada (MC)	No	No	6103, 6303	6112, 6312, 6412	6320	GXXXX (In Progress) X=8 and/or X=1
California (California Code of Regulations, Title 4, Division 9)	No	No	6303	6312	6320	GXXXX (In Progress) X=8 and/or X=1
New York (NYPSC)	No	No	6103, 6303	6112, 6312	No	GXXXX (In Progress) X=8 and/or X=1
Maryland (MDPSC)	No	No	6103, 6303	6112, 6312	No	GXXXX (In Progress) X=8 and/or X=1
Special Features						
Sealing (revenue billing grade)	No	No	6303	6312, 6412	6320	GXXXX X=8 & X=1
On-board Meter Display	Yes	Yes	Yes	Yes	Yes	Yes
Pulse Inputs	2	2	2	2	1	12,24,36,48
Socket Style Enclosure	No	No	No	No	No	Yes
Self Shorting Termination	Yes	Yes	Yes	Yes	No	Yes
Dual Reference Voltage	No	No	No	No	No	Yes
Flexible Configuration	No	No	No	No	No	Yes
Cumulative Pulse Records	Yes	Yes	Yes	Yes	Yes	Yes
On-board Real-Time Clock (10 years)	10 year	10 year	10 year	10 year	1 year	10 year

Communication Interfaces

	PowerHawk 4x06	PowerHawk 4x24	PowerHawk 6x03	PowerHawk 6x12	PowerHawk 6320	Triacta GATEWAY
IPv4	Yes	Yes	Yes	Yes	Yes	Yes
TCP	Yes	Yes	Yes	Yes	Yes	Yes
FTP	Yes	Yes	Yes	Yes	Yes	Yes
FTPS	No	No	No	No	No	Yes
DHCP	Yes	Yes	Yes	Yes	Yes	Yes
SNTP	Yes	Yes	Yes	Yes	Yes	Yes
HTTP	Yes	Yes	Yes	Yes	Yes	Yes
PPP	Yes	Yes	Yes	Yes	Yes	In Progress
Modbus TCP	Yes	Yes	Yes	Yes	Yes	Yes
Modbus RTU (serial)	Option	Option	Option	Option	No	In Progress
BACnet/IP	Yes	Yes	Yes	Yes	No	In Progress
Ethernet (on-board)	Yes	Yes	Yes	Yes	Yes	Yes & Wifi
V.90 Modem Module	Option	Option	Option	Option	Yes	Option
RS-485 serial	Option	Option	Option	Option	Option	Option
Reporting Capabilities						
Datalogging and Format						
Interval Config (5 to 60 min)	Yes	Yes	Yes	Yes	Yes	Yes
Data Storage (1hr intervals)	2.4-yr	2.4 yr	2.4-yr	2.4-yr	480 days	20 yr
CSV/TR3 File (via FTP push)	Yes	Yes	Yes	Yes	Yes	Yes & TR5. FTPS
AMR Functionality						
Triacta Cloud AMR	Yes	Yes	Yes	Yes	Yes	Yes
Scheduled Push Reporting (FTP)	Yes	Yes	Yes	Yes	Yes	Yes (FTPS/Multihoming)
Config Report Schedule (hr, day)	Yes	Yes	Yes	Yes	Yes	Yes
Data Polling (Modbus, BACnet)	Yes	Yes	Yes	Yes	Modbus	Yes
Real-time Data Viewing (e.g. HTTP)	Yes	Yes	Yes	Yes	Yes	Yes
TLS 1.3	No	No	No	No	No	Yes
Optional Communications Card	RTU/V90	RTU/V90	RTU/V90	RTU/V90	V90	Rel 2.0 Cell modem, Enet Switch, Field Bus Master (in progress)
Built-in WIFI	No	No	No	No	No	Access Point (available) Network Interface (in progress)
Physical Characteristics						
Height (cm)	33	33	33	33	41	39.4
Width (cm)	30	30	30	30	20	38.88
Depth (cm)	5	5	5	5	5	9
Volume (cu. cm)	4950	4950	4950	4950	4100	13786
Volume Per Meter Element (cu. cm)	825	206.3	825	206.3	205	287
Weight (KG)	6.4	6.4	3.98	6.4	2.4	2.27 (48 MP)
Weight Per Meter Element (grams)	1066.7	266.7	663.3	266.7	120	47.29
Configuration & Maintenance						
Triacta Cloud Support	Yes	Yes	Yes	Yes	Yes	Yes
FTP Config and Download	Yes	Yes	Yes	Yes	Yes	Yes
Remote and Local Firmware Updates	Yes	Yes	Yes	Yes	Yes	Yes
Event Records	Yes	Yes	Yes	Yes	Yes	Yes
Operating Parameters						
Operating Temperature	-40 to 70C	-40 to 70C	-40 to 70C	-40 to 70C	0 to 50C	-40 to 70C
Humidity (non-condensing)	0 to 90%	0 to 90%	0 to 90%	0 to 90%	0 to 90%	0 to 90%
Safety Approvals						
Safety - UL	Yes	Yes	Yes	Yes	Yes	Yes
Emissions - Class A	Yes	Yes	Yes	Yes	Yes	Yes
Emissions - Class B	Yes	Yes	Yes	Yes	No	Yes

