

lamaPLC: Measurement

Energy meters (EM)

 Easton SDM 630 3-phase Energy Meter with Modbus communication + Modbus map	 Easton SDM 230 1-phase Energy Meter with Modbus communication + Modbus map
 Easton Smart X96 3-phase Energy Meter with Modbus communication + Modbus map	 DS100 3-phase Energy Meter with Modbus communication + Modbus map
 XTM35SC 1-phase Energy Meter with Modbus communication + Modbus map	

Compare some energy meter types

Model	Phases (System Grid)	Max. Load per Phase	Current Measurement	Communication Interfaces	Display & Features	Width (DIN Modules)	Directional Measurement
SDM120D-MID (Easton)	1-Phase Only (1P2W)	45A	Direct Connection	Pulse Output ONLY (No Modbus)	MID Certified, non-backlit 6-digit LCD, low-load tracker	1 DIN Module (18mm)	Bi-directional / Unidirectional versions
XTM35SC	1-Phase Only (1P2W)	80A	Direct Connection	Modbus RTU (RS485) + 1x Pulse	Non-MID, generic budget meter, simple V/A/W cycler	2 DIN Modules (35mm)	Single Direction (Import Only)
SDM230-Modbus (Easton)	1-Phase Only (1P2W)	100A	Direct Connection	Modbus RTU (RS485) + 2x Pulse (WiFi/M-Bus variations exist)	Backlit LCD, multi-parameter, ideal for single-phase Solar/PV	2 DIN Modules (36mm)	Bi-directional (Import / Export)
DS100-00B (B+G E-Tech)	3-Phase Only (3P4W)	100A	Direct Connection	Modbus RTU (RS485) + DLT645 + 2x Pulse	MID Certified, Balancing/Netting (Saldierend) calculation	4 DIN Modules (72mm)	Bi-directional (Import / Export)
SDM54-M-MID (Easton)	1-Phase (1P2W) / 3-Phase (3P4W)	100A	Direct Connection	Modbus RTU (RS485) + 2x Pulse Output	Backlit LCD, Compact multi-parameter	3 Modules (54mm)	Bi-directional (Import / Export)
SDM72D-M-MID V2 (Easton)	1-Phase (1P2W) / 3-Phase (3P4W)	100A	Direct Connection	Modbus RTU (RS485) + 1x Pulse Output	MID Certified, Backlit LCD, Multi-parameter menu	4 Modules (72mm)	Bi-directional (Import / Export)

Model	Phases (System Grid)	Max. Load per Phase	Current Measurement	Communication Interfaces	Display & Features	Width (DIN Modules)	Directional Measurement
SDM72D-MID (Easton)	3-Phase (3P4W)	100A	Direct Connection	Pulse Output ONLY (No Modbus)	MID Certified, Basic Backlit LCD, simple parameter cycling	4 Modules (72mm)	Import Only
SDM72DR-MID (Easton)	3-Phase (3P4W)	100A	Direct Connection	Pulse Output ONLY (No Modbus)	MID Certified, Backlit LCD + Resettable Partial Counter	4 Modules (72mm)	Import Only
SDM630-MODBUS-MID (Easton)	1P2W / 3P3W / 3P4W	100A	Direct Connection	Modbus RTU (RS485) + 2x Pulse Output	MID Certified, Highly detailed multi-parameter LCD, THD% analytics	4 Modules (72mm)	Bi-directional (Import / Export)
SDM630MCT-MODBUS-MID (Easton)	1P2W / 3P3W / 3P4W	Transformer Dependent (e.g., 50A up to 9999A)	External CT (Current Transformers; Coils)	Modbus RTU (RS485) + 2x Pulse Output	MID Certified, Highly detailed multi-parameter LCD, THD% analytics	4 Modules (72mm)	Bi-directional (Import / Export)
Smart x96-5 (e.g., X96-5FJ) (Easton)	1P2W / 3P3W / 3P4W	CT Dependent (1A or 5A inputs)	External CT (Current Transformers; Coils)	Modbus RTU (RS485) + Ethernet (TCP/IP) + 2x Pulse	MID Certified, 96x96mm Panel Mount (not DIN rail), Touch screen, 63rd Harmonic Analyzer, Gateway option	Panel Cutout (96x96mm squared square)	Bi-directional (Import / Export)

energy meter, EM, communication, Modbus, Easton, [SDM120](#), [XTM35SC](#), [SDM230](#), [DS100-00B](#), [B+G E-Tech](#), [SDM54](#), [SDM72](#), [SDM630](#), [Smart](#), [x96-5](#), [X96-5FJ](#)

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