

Prepaid Energy Meters

E24™

P441E



The E24 Energy Meters offer up-to-date and combatable functionality that is in line with our portfolio of Energy Solutions. These meters utilize a prepaid energy credit system that allows users to benefit from all the energy measurements expected in addition to reducing issues with payment collection, tampering, and over-load scenarios.

As part of our Energy Management System, these meters are the first step in providing our customers an easy way to have energy. Simply charge the meter with the required energy credit and use the energy benefiting from a reliable notice system to warn users of energy credit levels, and maintaining proper levels of energy consumption. Finally, when the energy credits are complete users can re-charge and continue to have 24/7 energy as part of our energy solutions.

Prepaid Energy Meters

Prepaid Energy Meter used within E24 Energy Solutions for an overall innovative experience. The meter requires charging first using Integrated Chip (IC) cards that are programmed with the appropriate energy credits (depending on Client requirement). After placing the energy credits in the meter, the customer will have energy supplied to the house equivalent to the energy credits. When the energy credit is low, an alarm signal will sent to the customer for recharging to avoid automatic power cut-off.



Functions & Benefits:

- Anti-flammable meter case; with terminal block rated for high temperature and moisture resistant.
- Highly reliable special designed IC card slot.
- LCD 6 +2 digits display (Maximum 999999.99 kWh).
- When the meter energy credit balance is finished, the meter has a relay that will automatically cut off.
- The meter is equipped with a set alarm system to notify the user when the energy credits are running low. This is indicated via an LED flash on the meter.
- Meter offers an automatic switch-off protection system, to prevent damage to the meter in case of over-load.
- Data can be stored for more than 10 years without power supply.
- The Meter complies with international standards: CE-LVD, CE-EMC
- Anti-tampering system installed on our meters.
- RS485 Modbus RTU protocol communication available in all our meters.

Specifications

Model	EM-ME1P20	EM-ME1P40	EM-ME1P60	EM-ME3P20	EM-ME3P40	EM-ME3P80
Installation	Wall Mounted					
Accuracy	Class 1.0					
Rated Voltage (AC)	110V, 220V, 230V, 240V			3x220/380V, 3x230/400V, 3x240/415V		
Voltage Range	0.8 ~ 1.2 Un					
Rated Current	5(20)A	10(40)A	20(60)A	3x5(20)A	3x10(40)A	3x20(80)A
Operation Current Range	0.05 Ib ~ Imax					
Starting Current	0.4% Ib					
Rated Frequency	50Hz/60Hz					
Power Consumption	2W / 10VA					
Relative Humidity	≤ 95%					
Operation Temperature	-10°C ~ +70°C					
Dimensions (WxDxH)	110 mm x 57 mm x 157 mm			144 mm x 72 mm x 228 mm		

Ordering Information

Code	Description
EMB1-1X20A	Modular Energy Meter Box (anti-Tampering) with included ATS, Single Phase, 1 Meters of 20A, 220V with RS485
EMB1-1X40A	Modular Energy Meter Box (anti-Tampering) with included ATS, Single Phase, 1 Meters of 40A, 220V with RS485
EMB1-1X60A	Modular Energy Meter Box (anti-Tampering) with included ATS, Single Phase, 1 Meters of 60A, 220V with RS485
EMB3-1X60	Modular Energy Meter Box (anti-Tampering), Single Phase, 1 Meters of 3x20A, 220V with RS485
EMB3-1X120	Modular Energy Meter Box (anti-Tampering), Single Phase, 1 Meters of 3x40A, 220V with RS485
EMB3-1X240	Modular Energy Meter Box (anti-Tampering), Single Phase, 1 Meters of 3x80A, 220V with RS485
EMB3-1X600	Modular Energy Meter Box (anti-Tampering), Single Phase, 1 Meters of 3x200A, 220V with RS486
EMB1-3X20	Modular Energy Meter Box (anti-Tampering), Single Phase, 3 Meters of 20A, 220V with RS485
EMB1-3X40	Modular Energy Meter Box (anti-Tampering), Single Phase, 3 Meters of 40A, 220V with RS485
EMB1-3X60	Modular Energy Meter Box (anti-Tampering), Single Phase, 3 Meters of 60A, 220V with RS485
EMB3-2X60	Modular Energy Meter Box (anti-Tampering), Three Phase, 2 Meters of 3x20A, 220V with RS485
EMB3-2X120	Modular Energy Meter Box (anti-Tampering), Three Phase, 2 Meters of 3x40A, 220V with RS485
EMB3-2X240	Modular Energy Meter Box (anti-Tampering), Three Phase, 2 Meters of 3x80A, 220V with RS485
EMB3-PIN	Modular Power Input Box for 9xSingle Phase breakers and 2xThree Phase Breakers
EMB3-POUT	Modular Power Output Box for 9xSingle Phase and 2xThree Phase Subscribers
EMB1F-1X20A	Modular Energy Meter Box (anti-Tampering) with included ATS, Single Phase, 1 Meters of 20A, 220V with RS485
EMB1F-1X40A	Modular Energy Meter Box (anti-Tampering) with included ATS, Single Phase, 1 Meters of 40A, 220V with RS485
EMB1F-1X60A	Modular Energy Meter Box (anti-Tampering) with included ATS, Single Phase, 1 Meters of 60A, 220V with RS485
EMB3F-1X60	Modular Energy Meter Box (anti-Tampering), 1 Phase, 1 Meters of 3x20A, 45KWh/Month fixed, 220V with RS485
EMB3F-1X120	Modular Energy Meter Box (anti-Tampering), Single Phase, 1 Meters of 3x40A, 45KWh/Month fixed, 220V with RS485
EMB3F-1X240	Modular Energy Meter Box (anti-Tampering), Single Phase, 1 Meters of 3x80A, 45KWh/Month fixed, 220V with RS485
EMB3F-1X600	Modular Energy Meter Box (anti-Tampering), Single Phase, 1 Meters of 3x200A, 45KWh/Month fixed, 220V with RS486
EMB1F-3X20	Modular Energy Meter Box (anti-Tampering), Single Phase, 3 Meters of 20A, 45KWh/Month fixed, 220V with RS485
EMB1F-3X40	Modular Energy Meter Box (anti-Tampering), Single Phase, 3 Meters of 40A, 45KWh/Month fixed, 220V with RS485
EMB1F-3X60	Modular Energy Meter Box (anti-Tampering), Single Phase, 3 Meters of 60A, 45KWh/Month fixed, 220V with RS485
EMB3F-2X60	Modular Energy Meter Box (anti-Tampering), Three Phase, 2 Meters of 3x20A, 45KWh/Month fixed, 220V with RS485
EMB3F-2X120	Modular Energy Meter Box (anti-Tampering), Three Phase, 2 Meters of 3x40A, 45KWh/Month fixed, 220V with RS485
EMB3F-2X240	Modular Energy Meter Box (anti-Tampering), Three Phase, 2 Meters of 3x80A, 45KWh/Month fixed, 220V with RS485



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ISO 9001:2015



QUALITY STANDARD

