

REVENUE GRADE METERING

EM133-XM

NMI Approved Three Phase kWh Meter for 100A Direct Connection

Wire loads up to 100A straight into the meter with no CTs to buy or fit. Pattern approved, NITP 14 verified and ready for five minute settlement data from day one.

Explore the EM133-XM on satec-global.com.au ↗

 Retail Tenancies

 Embedded Networks

 Apartments

 EV Charging



NMI APPROVED 14/2/72

ACCURACY CLASS 0.5S

AS/IEC 62053-22 COMPLIANT

NITP 14 VERIFIED

100A DIRECT CONNECT

100A

Direct connection with no CTs needed

0.5S

Accuracy class for revenue billing

8MB

Onboard memory for long data histories

5 min

NEM 5MS interval data ready

Why It Matters



Bill With Confidence

NMI M 6-1 pattern approval and NITP 14 verification give tenants and auditors a meter they can trust.



Settlement Ready Data

Five minute interval data and NEM12/13 files through SATEC software keep you aligned with the market.



Nothing Gets Lost

Up to three profile logs, an event log and date/time stamping from the real time clock.



Solar and Storage Friendly

Four quadrant import and export measurement captures energy flowing in both directions.



No CTs Required

Connect loads up to 100A directly, with fewer parts to source and less wiring in the board.



Connected to the SATEC Ecosystem

Pair with **ExpertPower™** for cloud billing and reporting, and the **eXpertConnect™ App** for readings on the go.

Key Specifications

Meter type	Three phase kWh energy meter, DIN rail mount
Current input	0 to 100A AC direct connection (no CTs required)
Accuracy	Class 0.5S to AS/IEC 62053-22
Measurement	Four quadrant import/export plus multiple electrical parameters
Data logging	8MB memory, three profile logs, event log, RTC with date/time stamping
Control	Disconnect/reconnect capability
Built-in comms	RS485 Modbus and infrared (IR) port
Optional comms	Dual communications via Ethernet or RS-232/422/485 module; external 4G modem on application
Data formats	NEM12/13 via SATEC software; MV90 xi (TIM file)
Approvals	NMI M 6-1 (14/2/72), AS/IEC 62053-22, IEC 62052-11, ISO/IEC 17025 calibration, NITP 14

ORDER CODE

EM133-XM

100

50HZ

SE

CC

100A direct input, 50Hz calibration. Ask us about add-on modules.



Ready to Simplify Your Install?

Talk to our team about quotes, sizing and add-on modules. Call +612 4774 2959 or visit satec-global.com.au/contact

DOCUMENT VERSION

Version	Date
TBV1.0	23 September 2026