

REVENUE GRADE METERING

EM133-XM-HACS

NMI Approved Three Phase kWh Meter for HACS Sensor Input

Measure through compact HACS current sensors instead of bulky CTs. Pattern approved, NITP 14 verified and ready for five minute settlement data from day one.

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

Retrofit Upgrades

Embedded Networks



Apartments

EV Charging

NMI APPROVED 14/2/72

CLASS 0.5S METER

AS/IEC 62052-11 CERTIFIED

NITP 14 VERIFIED

HACS SENSOR INPUT

200m

Sensor to meter wiring distance

Class 1.0

System accuracy with HACS sensors

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.



One Meter, Flexible Setup

Configure as a three phase meter or as three single phase meters, so one unit covers more sites.



Solar and Storage Friendly

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



Made for Tight Boards

Compact HACS sensors fit where CTs struggle and can be wired up to 200m from the meter.



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 meter, DIN rail mount
Current input	0 to 100A AC via HACS current sensors CS1, CS1L and CS1S
Accuracy	Class 0.5S meter; Class 1.0 system accuracy with HACS sensors
Measurement	Four quadrant import/export; three phase or 3 × single phase
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 62053-21, AS/IEC 62052-11, ISO/IEC 17025, NITP 14

ORDER CODE

EM133-XM-HACS

50HZ

SE

CC

HACS input, 50Hz calibration. Ask us about sensors and modules.



Ready to Retrofit With Confidence?

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

DOCUMENT VERSION

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TBV1.0	23 September 2026