



IEM SERIES OF DC ENERGY METERS FOR COMPLIANCE-READY APPLICATIONS



INTRODUCTION

The IEM Series of DC energy meters offer a flexible array of options for regulation-compliant measurement of DC power in DC power grids and consumer equipment such as charging stations. IEM products comply with standards in the EU and North America.*

FEATURES

- Tamper proof housing and sealing screw
- Supported interfaces: RS 485; Ethernet; CAN
- Communication protocol to controller: HTTP | REST API | SML | CAN 2.0
- Output values: A, V, W, Wh, C°
- Cable Loss Compensation
 - Measurement Accuracy = Class B
 - Digitally secured charge transaction receipts (e.g. for EVSE Applications)
 - Regulation-compliant event storage



APPLICATIONS

- Smart Metering in DC microgrids/subgrids
- Bi-directional DC energy measurement
- EVSE charge consumption metering
- Vehicle-to-grid applications
- Other grid-level generators, storage, and consumer-facing devices/equipment

Additional applications:

- DC wallboxes
- HPC
- MW charging

* Current and pending certifications include: EN 50470 (MID) – DC-Meter appendix; IEC 62053-41; ANSI C12.32; German Eichrecht [MEG]; VDE-AR-2418-3-100. Contact us for the most up-to-date regulatory/compliance details.

