AETHEREDGE · KEPCO PORTFOLIO

# Advanced E-type (ADE)

Single-phase metering for low-voltage networks

A compact, bottom-connected metering platform for indoor and outdoor low-voltage locations. The Advanced E-type specification defines import/export energy measurement, maximum demand, time-of-use operation and modem-based remote reading.




Product illustration based on the supplied photograph. Appearance is for identification; microprinted artwork is not a parameter or approval source.

REFERENCE CONFIGURATION

## 1P2W · 50(5) A

220 V · 60 Hz

### Energy in both directions

Active, reactive and apparent energy; import-only, anti-reverse and separate import/export metering modes are defined.

ADE25 p.13 §7.4

### Time-of-use and demand

Calendar-based tariff operation, maximum demand and scheduled monthly reading.

ADE25 pp.12–13,18–19

### Load-profile history

1 / 5 / 10 / 15 / 30 / 60-minute intervals; 4 import channels or 8 import/export channels.

ADE25 pp.18–19 §8.2

### Remote reading and control

IEC 62056-based data communication, modem connectivity and controlled load switching.

ADE25 pp.5–7,41 §8.9

DATASHEET · REFERENCE PARAMETERS

# Electrical and functional profile

Source specification: GS-6625-0055 · 2025.02

Ratings below are transcribed from the identified specification category. Current notation is retained as printed: maximum (base) current for direct-connected meters; rated (half-rated) current for transformer-operated meters.

| | |
|---|---|
| **Phase / wires** | 1P2W |
| **Reference voltage** | 220 V |
| **Current rating** | 50(5) A |
| **Reference frequency** | 60 Hz |
| **Active / reactive class** | 1.0 / 2.0 |
| **Apparent-energy class** | 1.0 |
| **Active-energy pulse constant** | 1,000 pulse/kWh |
| **Load switch** | Built-in contactor |

ADE25 pp.1–2, Table 1

## Operating environment

−40 to +60 °C; altitude ≤1,500 m; non-corrosive indoor/outdoor locations.

ADE25 p.1 §1.2

## Communication options

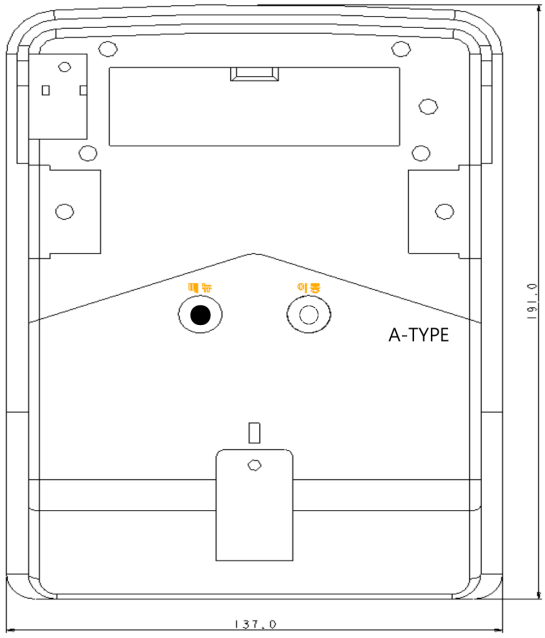
Isolated RS-485; 9,600 / 19,200 / 38,400 bit/s; initial setting 9,600 bit/s. Replaceable modem arrangement.

ADE25 pp.3,6–7 §§4.1.1,5.4–5.6

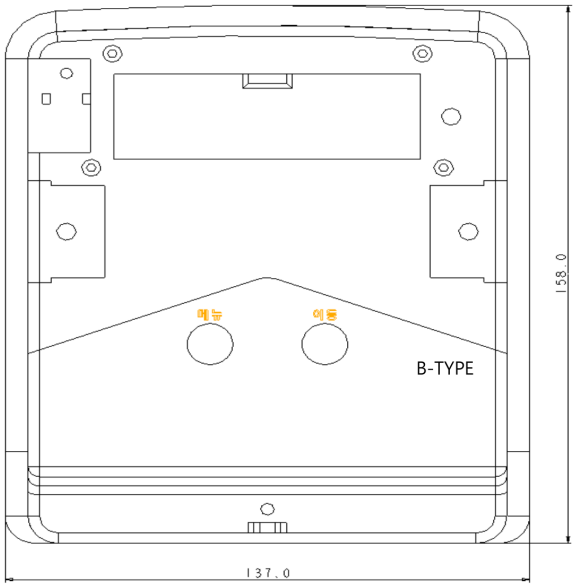
> This edition organizes the supplied product images and CAD with the cited KEPCO specification requirements. It does not assert type approval, certification, completed firmware conformance, test results or a commercial warranty. The delivered nameplate, order configuration and utility instructions govern field use.

MECHANICAL REFERENCE

# Envelope and installation planning




A-type / A형




B-type / B형

| | |
|---|---|
| **A-type: W × H × D** | 137 × 191 × 136 mm |
| **B-type: W × H × D** | 137 × 158 × 75 mm |

> No matching ADE STEP was supplied. The specification shows A-type long-cover and B-type short-cover outlines; the supplied photo alone does not establish the cover variant.

ADE25 p.49, Appendix drawing 1-a1 / 1-a2 and 1-a1′ / 1-a2′. Specification drawing values; not measured product dimensions.

## Before fixing the installation layout

Allow access to the display, seals, terminal covers and communications compartment. Check the ordered cover state and cable approach against the released installation drawing. The envelope drawing supplies no drilling template.

No product-specific terminal tightening torque, conductor-size table or mounting-hole schedule was supplied for release in this edition. Obtain the ordered variant's installation drawing and torque schedule; do not substitute a generic value.