AETHEREDGE / KEPCO PORTFOLIO

Metering, in every form.

ADE · AMIGO · compact residential layouts



Product Catalogue

Seven product forms. Electrical reference profiles, geometry and selection notes in one edition.



EN / KO · R0 · 2026.11.02

PORTFOLIO SELECTOR

Start with the circuit.

Choose phase/wires and connection method before selecting current, enclosure or communications. Ratings below identify specification categories; match the delivered nameplate and order.

Product form	Circuit	Voltage	Current
Advanced E-type (ADE)	1P2W	220 V	50(5) A
AMIGO Single-phase 60 A	1P2W	220 V	60(5) A
AMIGO Single-phase 120 A	1P2W	220 V	120(10) A
AMIGO Three-phase 120 A	3P4W	220 V (L–N)	120(10) A
AMIGO Three-phase CT/PT 5 A	3P4W	63.5 / 110 / 220 V (L–N)	5(2.5) A
AMIGO Mini 60 A	1P2W	220 V	60(5) A
AMIGO Plus 60 A	1P2W	220 V	60(5) A

Read the current notation correctly

Direct connected: maximum (base) current. Transformer operated: rated (half-rated) current. Thus 5(2.5) A is a transformer-secondary rating, not a 5 A maximum current for the primary installation.

M26 p.5 Table 8; ADE25 pp.1–2; APT21 p.4 Table 8

> Mini and Plus use the selected APT-AMIGO 2021.11 specification basis. Mini follows the bottom-connected variants; Plus follows the up/down category without an integrated modem. CAD dimensions are the supplied housing geometry.

GS-6625-0055 · 2025.02

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.



Circuit	1P2W
Voltage	220 V
Current	50(5) A
Active / reactive class	1.0 / 2.0
Active pulse constant	1,000 pulse/kWh

ADE25 pp.1–2, Table 1

Mechanical reference

A: 137 × 191 × 136 mm; B: 137 × 158 × 75 mm

A / B values are specification drawing variants; no matching ADE STEP supplied.

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

> Confirm A-type / B-type cover, delivered nameplate rating, modem and approved firmware.

GS-6625-0104 · 2026.06

AMIGO Single-phase 60 A

Direct-connected AMI 2.0 metering

The standard single-phase 60 A AMIGO configuration combines direct energy measurement with utility-controlled load switching and modular communications. Its user interface and data model follow the 2026.06 specification baseline.

Circuit	1P2W
Voltage	220 V
Current	60(5) A
Active / reactive class	1.0 / 1.0
Active pulse constant	2,000 pulse/kWh



M26 p.5 Table 8

Mechanical reference

115.1 × 116.9 × 82.5 mm

Measured STEP envelope, W × H × D; not a mounting template.

RS-485: 9,600–115,200 bit/s, initial 9,600 bit/s. SUN reference: 50,000 bit/s. CAN: 500,000 bit/s, three-phase transformer category only.

M26 p.30 Table 25

> Confirm the exact nameplate, communications option, approved firmware and utility parameter set.

GS-6625-0104 · 2026.06

AMIGO Single-phase 120 A

Higher-current direct-connected metering

A single-phase direct-connected AMIGO variant for the 120 A maximum-current category. A dedicated enclosure and terminal assembly distinguish it from the 60 A model; dimensions and installation allowances must be selected for this variant.



Circuit	1P2W
Voltage	220 V
Current	120(10) A
Active / reactive class	1.0 / 1.0
Active pulse constant	2,000 pulse/kWh

M26 p.5 Table 8

Mechanical reference

135.0 × 132.1 × 88.5 mm

Measured STEP envelope, W × H × D; not a mounting template.

RS-485: 9,600–115,200 bit/s, initial 9,600 bit/s. SUN reference: 50,000 bit/s. CAN: 500,000 bit/s, three-phase transformer category only.

M26 p.30 Table 25

> Confirm the exact nameplate, communications option, approved firmware and utility parameter set.

GS-6625-0104 · 2026.06

AMIGO Three-phase 120 A

Three-phase direct-connected AMI metering

A three-phase, four-wire direct-connected AMIGO configuration for distribution metering. It provides phase-aware measurements, energy and demand records, and interfaces for utility communications and external control signals.

Circuit	3P4W
Voltage	220 V (L–N)
Current	120(10) A
Active / reactive class	1.0 / 1.0
Active pulse constant	1,000 pulse/kWh

M26 p.5 Table 8



Mechanical reference

194.2 × 220.2 × 84.1 mm

Measured STEP envelope, W × H × D; not a mounting template.

RS-485: 9,600–115,200 bit/s, initial 9,600 bit/s. SUN reference: 50,000 bit/s. CAN: 500,000 bit/s, three-phase transformer category only.

M26 p.30 Table 25

> Confirm the exact nameplate, communications option, approved firmware and utility parameter set.

GS-6625-0104 · 2026.06

AMIGO Three-phase CT/PT 5 A

Transformer-operated, four-wire metering

A transformer-operated AMIGO configuration for CT/PT installations. The 3P4W transformer category has additional phase profiles and power-quality/GPS requirements that do not apply to the direct-connected models.



Circuit	3P4W
Voltage	63.5 / 110 / 220 V (L–N)
Current	5(2.5) A
Active / reactive class	0.5 / 1.0
Active pulse constant	20,000 pulse/kWh

M26 p.5 Table 8

Mechanical reference

170.0 × 206.0 × 78.0 mm

Measured STEP envelope, W × H × D; not a mounting template.

RS-485: 9,600–115,200 bit/s, initial 9,600 bit/s. SUN reference: 50,000 bit/s. CAN: 500,000 bit/s, three-phase transformer category only.

M26 p.30 Table 25

> Confirm the exact nameplate, communications option, approved firmware and utility parameter set.

GS-6625-0103 · 2021.11 (SELECTED APT BASIS)

AMIGO Mini 60 A

Compact bottom-connected residential layout

A compact residential meter layout with front LCD, two local controls and bottom terminal access. The supplied STEP and image establish the mechanical form; electrical and functional tables are explicitly scoped to the APT-AMIGO reference profile.

Circuit	1P2W
Voltage	220 V
Current	60(5) A
Active / reactive class	1.0 / 1.0
Active pulse constant	2,000 pulse/kWh



APT21 p.4 Table 8

Mechanical reference

100.6 × 106.6 × 80.7 mm

Measured STEP envelope, W × H × D; not a mounting template.

RS-485 9,600–115,200 bit/s, initial 9,600 bit/s. APT CAN reference: 500,000 bit/s. Integrated modem population follows the ordered bottom-connected variant.

APT21 pp.4,13–14 Tables 8,19,22

> APT-AMIGO 2021.11 is the selected specification basis. Choose the bottom-connected PLC, PLC+SUN, SUN or no-integrated-modem option to match the order.

GS-6625-0103 · 2021.11 (SELECTED APT BASIS)

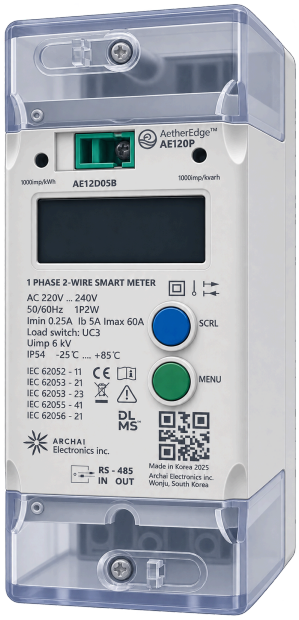
AMIGO Plus 60 A

Vertical up/down residential layout

A slim vertical residential layout with distinct upper and lower connection covers. The Residential-UPDOWN STEP is paired with the supplied Plus photo by enclosure geometry, not by assuming the standard AMIGO housing is interchangeable.

Circuit	1P2W
Voltage	220 V
Current	60(5) A
Active / reactive class	1.0 / 1.0
Active pulse constant	2,000 pulse/kWh

APT21 p.4 Table 8



Mechanical reference

60.5 × 142.6 × 77.8 mm

Measured STEP envelope, W × H × D; not a mounting template.

RS-485 9,600–115,200 bit/s, initial 9,600 bit/s. APT CAN reference: 500,000 bit/s. Up/down item 127833 has no integrated PLC or SUN modem.

APT21 pp.4,13–14 Tables 8,19,22

> APT-AMIGO 2021.11 is the selected specification basis. The up/down reference category has no integrated modem; use its wired interface and verify the ordered connection orientation.

INTEGRATION AND LIFECYCLE

Select interfaces with the system.

ADE	RS-485 + modem; 2025 ADE baseline.
Standard AMIGO	RS-485, SUN, removable communications device; CAN only for the three-phase transformer category.
Mini / Plus	APT-AMIGO 2021.11 wired-interface baseline; Mini modem variants selected by order, Plus up/down without an integrated modem.

A practical selection sequence

01 **Electrical configuration**

Phase/wires, direct or transformer connection, voltage and current category.

02 **Site and mechanics**

Cover variant, STEP envelope, mounting drawing, conductor access and separate enclosure if required.

03 **Data and controls**

Communication profile, modem population, firmware baseline, tariff and load-control authorization.

04 **Delivery evidence**

Nameplate, approved type documentation, actual software identity, parameter readback and utility acceptance records.

REFERENCE AND NEXT STEPS

A traceable technical conversation.

Each product form has a separate English and Korean Datasheet and User Manual in this edition. The editable HTML masters share the same bilingual content source and asset manifest.

M26	GS-6625-0104 · 2026.06
ADE25	GS-6625-0055 · 2025.02
APT21	GS-6625-0103 · 2021.11
CAD	Owner STEP archive · 02 Nov 2026

> 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.

Before customer installation release

- Match the ordered Mini modem option and Plus up/down connection to the selected APT basis.
- Resolve delivered nameplate / template conflicts and confirm the ADE cover.
- Obtain product-specific mounting, terminal torque and conductor sizing schedules.
- Attach actual type approval and conformance evidence only when available and applicable.

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