



Solar that's connected, compliant and credited.

Net-metering compliance, MGM smart meters, installation
and testing for solar homes, businesses and developments
across Kenya — handled end to end.

BUILT FOR

Homes

Businesses

Contractors

Real estate

Groups & estates

Inside: the new KPLC net-metering
requirements, how they affect your solar
system, our step-by-step process,
timelines and the full MGM meter range.



ABOUT US

A Kenyan energy company that keeps homes and businesses powered.

Mamagas SunLink is the solar and net-metering division of MamaGas & Power Limited, a Nairobi energy company operating since 2018. SunLink makes sure your solar system meets Kenya Power's net-metering requirements, is fitted with the right meters, and is tested and documented properly.

We work directly with homeowners and businesses, and alongside solar contractors, developers and property managers through our own trained installation teams.

Since 2018

MamaGas & Power Ltd,
Riverside Drive, Nairobi

7 days

Open 7am–10pm, including
public holidays

End to end

Assessment, meters, install,
testing, KPLC paperwork

WHAT WE OFFER



Net-metering compliance service

Site assessment, compliance works, export control and the full KPLC application and inspection process — managed for you.



MGM meter supply

Single and three phase bi-directional smart meters, panel meters, STS prepaid meters and keypads — supplied, or supplied and fitted.



Contractor & trade supply

Trade pricing on MGM meters, bulk orders, and our subcontract installation and testing teams for your own projects.



Estate & portfolio programmes

For real estate companies, estates and groups: one plan, scheduled installs across units, and tenant prepaid sub-metering.

WHY THIS MATTERS NOW

Grid-tied solar now needs an approved net-metering setup.

Under the Energy (Net-Metering) Regulations, 2024, any home or business whose solar system can feed power into the Kenya Power grid must have an approved net-metering agreement and a bi-directional meter. Power exported without approval is treated as unauthorised injection (“dumping”) and can be charged at the applicable base tariff.

BI-DIRECTIONAL METER

Mandatory. It records both what you import from and export to the grid.

SIZE LIMITS (DOMESTIC)

Up to 4 kW on single phase, 10 kW on three phase.

SAFETY CONTROLS

Anti-islanding protection and a labelled isolation switch that KPLC can access.

EXPORT CREDIT

Exported energy earns a bill credit worth 50% of the kWh exported — credits, not cash.

SIZE LIMITS (COMMERCIAL)

Up to 1 MW, capped by your last 12 months' demand. Over 10 kW needs an engineer's feasibility study.

AGREEMENT TERM

Five-year renewable agreement. Unused credits lapse at the end of KPLC's financial year.

HOW IT AFFECTS YOUR SOLAR SYSTEM

**Your panels keep working**

Existing panels, batteries and inverter stay in place in most cases. We add metering and controls around them.

**Inverter settings updated**

Voltage, frequency and anti-islanding settings are checked against KPLC limits and reconfigured where needed.

**No penalty exposure**

Until approval, we set export limiting (zero-export) so nothing reaches the grid unauthorised.

**Brief shutdown only**

Solar is isolated for a few hours on installation day. Grid power is kept on wherever possible.

Summary for guidance only, based on the Energy (Net-Metering) Regulations, 2024 and EPRA/KPLC communications as of September 2026. KPLC installs and owns its revenue meter and sets its own approval timelines. We confirm the exact requirements for your site at assessment.

FROM FIRST CALL TO FIRST CREDIT

Seven steps. We handle all of them.

- 1 Book your assessment** **Within 48 hours**
Call or email us. Share your KPLC account number and a photo of your inverter.
- 2 Site assessment & solar analysis** **One visit, 2–4 hrs**
An engineer inspects panels, inverter, distribution board, earthing and protection, and checks your system size against the limits.
- 3 Quote & compliance plan** **2–3 working days**
A fixed, site-specific quote listing the meters and works needed. Nothing starts until you approve it.
- 4 Installation & compliance works** **1 day · 2–3 commercial**
MGM smart meter, CTs, isolation switch and protection fitted; inverter set to export-limit until approval.
- 5 Testing & commissioning** **Same day as install**
Anti-islanding, meter readings and protection settings tested. You receive a test report and handover pack.
- 6 KPLC application & inspection** **Typically 2–4 weeks**
We prepare and submit your interconnection application, then attend the KPLC inspection on site with you.
- 7 Approval, KPLC meter & go-live** **Set by KPLC**
After approval, KPLC fits its bi-directional revenue meter. We switch export on and your credits begin.

OUR PART · STEPS 1–5

About 1–2 weeks

From booking to a tested, compliant system.

WHOLE JOURNEY · STEPS 1–7

Typically 10–16 weeks

To your first net-metered bill. Longer outside major towns.

MGM METERS

Bi-directional smart meters

Measure every kWh you import and export. Paired with your inverter, they enable export limiting and accurate solar monitoring — the core of every SunLink installation.



MGM Single Phase Smart Meter

Model DDSU666

MID B+D certified

Import / export

Best for: single-phase homes and small shops with solar up to 4 kW.

Connection	1-phase 2-wire, direct 0.25–5(80) A
Voltage	220–240 V, 50/60 Hz
Accuracy	Class B / 1.0 (EN 50470-1/-3)
Measures	Import & export kWh, kvarh · kW, kvar, kVA · V, A, Hz, PF
Communication	RS485 Modbus-RTU (1200–19200 bps)
Mounting	DIN rail · 100 × 36 × 65.5 mm · 0.22 kg
Environment	–25 °C to +55 °C · IP20 (inside a board)



MGM Three Phase Smart Meter

Model DTSU666

MID B+D certified

Backlit LCD

Best for: three-phase homes (up to 10 kW), offices, shops, schools and light commercial sites.

Connection	3-phase 4-wire, direct 0.25–5(80) A
Voltage	3×220/380 V to 3×240/415 V, 50/60 Hz
Accuracy	Class B / 1.0 (EN 50470-1/-3)
Measures	Import & export kWh, kvarh · kW, kvar, kVA · V, A, Hz, PF
Communication	RS485 Modbus-RTU (1200–19200 bps)
Mounting	DIN rail · 72 × 100 × 65 mm · 0.33 kg · ≤2 W
Environment	–25 °C to +55 °C · IP20 (inside a board)

i Works with inverters that accept an RS485 / Modbus grid meter for export limiting. We confirm your inverter's compatibility during the site assessment. KPLC's own revenue meter is fitted separately by KPLC after approval.



MGM Panel Multi-function Meter

Model PD666

Class 0.5S

CT connected

Best for: commercial and industrial boards, larger solar sites and main-panel monitoring.

Connection	3-phase 3-wire or 4-wire, via CTs (lb 5 A)
Voltage	Up to AC 450 V · auxiliary AC/DC 85–264 V
Accuracy	Class 0.5S active, 2.0 reactive (IEC 62053)
Display	Backlit LCD or LED, 45–65 Hz
Communication	RS485 Modbus-RTU · data kept >10 years on outage

PREPAID SUB-METERING KIT

Bill every tenant fairly – on token.

For landlords, estates and property managers sharing one solar-powered supply across units. STS token standard – the same system Kenyans already use for prepaid power.



MGM Prepaid STS Meter

Model DDSY666

STS compliant · 20-digit token top-up
 1-phase · 220–240 V · 5(60), 5(80) or 5(100) A
 Class 1.0 · built-in relay (10,000 operations)
 Anti-tamper event logs and alarms
 IP54 · -40 °C to +75 °C · DIN rail
 Links to the keypad unit (PLC, optional)



MGM Customer Interface Unit

Model CHU630

In-home keypad for token entry and balance checks
 Shows credit, kW, kVA, voltage and current
 Low-balance and tamper alarms (LED + buzzer)
 Battery-backed display (4 × AA) works without mains
 Talks to the meter over the power line (PLC)
 IP51 · 125 × 102 × 50.9 mm · 0.4 kg

WHICH MGM METER DO I NEED?

YOUR SITE	RECOMMENDED
Single-phase home or shop, solar up to 4 kW	MGM Single Phase Smart Meter
Three-phase home, office, school or shop	MGM Three Phase Smart Meter
Commercial board, loads above 80 A per phase	MGM Panel Meter + CTs
Landlord, estate or group billing units	Prepaid STS Meter + Interface Unit

THREE WAYS TO WORK WITH US

HOMES & BUSINESSES

Book the full service

Assessment, meters, installation, testing and KPLC paperwork in one fixed quote.

CONTRACTORS

Order meters or install teams

Trade pricing, bulk orders, and our subcontract installation and testing crews.

REAL ESTATE & GROUPS

Start a portfolio programme

One account manager, a schedule across all units, and tenant sub-metering.

HOW TO BOOK OR ORDER

 **Call** 0113 722 004

 **Email** power@mamagas.co.ke

 **Online** mamagas.co.ke

7am–10pm, 7 days a week, including public holidays.

HAVE THESE READY

- ✓ KPLC account or meter number
- ✓ A recent electricity bill
- ✓ Inverter make, model and kW rating
- ✓ Photos of your inverter and main board
- ✓ Site location (map pin)
- ✓ Company name and KRA PIN (businesses)

Pricing

Every solar setup is different, so we quote per site after analysing your system — no hidden extras. Contractors can request our trade price list.

DONE PROPERLY, DOCUMENTED FULLY

What happens on installation day

01**Arrive & brief**

Safety briefing, confirm the plan and agree the shutdown window.

02**Isolate safely**

Solar and affected circuits isolated, locked off and proven dead.

03**Fit & wire**

MGM meter, CTs, isolation switch, protection and warning labels.

04**Configure**

Inverter linked to the meter; grid and export-limit settings applied.

05**Test & hand over**

Power restored, full test sequence run, results explained to you.

OUR TESTING CHECKLIST

- ✓ Import and export readings verified against a live load
- ✓ CT direction and phase matching confirmed
- ✓ Meter-to-inverter RS485 communication stable
- ✓ Export limit holds at zero until KPLC approval
- ✓ Anti-islanding: inverter disconnects within 2 s of grid loss
- ✓ Voltage (85–110%) and frequency (47.5–52 Hz) trip settings
- ✓ Isolation switch operation and labelling
- ✓ Earthing and insulation resistance checks

YOU RECEIVE

Test & commissioning report
As-installed photos and single-line diagram
Your KPLC application pack
Meter documentation and a user walkthrough

How long it takes

Homes: one day, with solar off for about 2–4 hours. Commercial sites: 2–3 days, scheduled around your operations — weekends and evenings available.

CONTACT US

Book your site assessment today.

Tell us about your solar system and we'll get back to you within 48 hours with a visit date. Contractors and property companies: ask for our trade and portfolio terms.

Call us

0113 722 004



EMAIL

power@mamagas.co.ke



WEBSITE

mamagas.co.ke



OFFICE

Riverside Drive, Nairobi



HOURS

7am–10pm, 7 days

Mamagas SunLink

A division of MamaGas & Power Limited

