



Electric Meter Operations

Electric Meter Socket Adaptors

What Are Electric Meter Socket Adaptors?

Electric meter socket adaptors — sometimes called **meter socket adapters (MSAs)** — are devices installed **between the utility meter and the meter socket**. They provide a convenient, code-compliant outdoor connection point for certain distributed energy resources (DERs), such as solar systems, EV chargers, and other advanced electrical equipment, without requiring major electrical panel upgrades.

How They Work

- The adaptor sits directly under the electric meter and above the meter socket plate.
- A licensed electrician or qualified utility personnel installs the adaptor, creating an accessible connection point outside the home.
- This setup **avoids invasive interior panel work and costly panel or service upgrades** that are often required for connecting high-capacity loads like EV chargers or solar equipment.

Common Uses

Meter socket adaptors are commonly used to simplify the installation of:

- Electric vehicle (EV) chargers, especially Level 2 home charging systems.
- Solar photovoltaic (PV) systems.
- Battery storage and other DERs — where utility approval and code requirements allow.

Safety & Compliance

These devices are typically **UL-listed and NEC compliant**, and they must be installed by a **licensed electrician or utility-qualified installer** — they are **not suitable for DIY installation**.





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Installation Notes

- Meter socket adaptors must be **approved by the customer’s utility company** before installation.
- The adaptor and its installation must meet all applicable electrical codes and safety standards.
- Although some utilities offer programs where the customer purchases and owns the adaptor, *installation cost and policy (free vs. billed)* may vary by utility and local department rules.

Approved Electric Meter Socket Adaptors & Interconnection Devices

These devices may be approved for installation **between the electric meter and meter socket** to support distributed energy resources (DER), generator interconnection, or other advanced electrical connections — **subject to utility approval and local code requirements**. Only use devices that your Electric Department has reviewed and approved before purchase or installation.

DER-Focused & Multi-Purpose Meter Socket Adapters

Meter Socket Adapters — Designed to simplify residential connections by creating a compliant outdoor connection point at the meter socket.

- **ConnectDER Model C-B-5-22-60 – Solar Meter Socket Adapter (Solar MSA) 60A, 22 kAIC V5.2 – Latest generation**
- **ConnectDER Model C-B-5-22-80 – Solar Meter Socket Adapter (Solar MSA) 80A, 22 kAIC V5.2 – Latest generation**
- **ConnectDER Model M-B-4-10-60 – Solar Meter Socket Adapter (Solar MSA) 60A, 10 kAIC V5.1 – Previous generation**
- **ConnectDER Model M-B-4-10-40 – Solar Meter Socket Adapter (Solar MSA) 40A, 10 kAIC V5.1 – Previous generation**
- **ConnectDER Model E-B-4-22-60 – Electric Vehicle Meter Socket Adapter (EV MSA) 60A, 22 kAIC V1.0**





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Note: ConnectDER products may also include models such as EV-specific MSAs and newer whole-home battery backup adapters like *IslandDER*TM (which has utility approvals in select areas), though availability varies by utility service territory.

Generator Interconnection Devices

Generlink Automatic Transfer / Meter Socket Interconnection Devices — Designed to provide a dedicated connection point for portable or standby generators without rewiring the home panel. Must be approved by the local utility before use:

- **GenerLink Model MA23-N** (7.2kW, 30 A, non-surge)
- **GenerLink Model MA23-S** (7.2kW, 30 A, surge)
- **GenerLink Model MA24-N** (9.6kW, 40 A, non-surge)
- **GenerLink Model MA24-S** (9.6kW, 40 A, surge)

CONTACT PERSON:

For more information and to schedule an installation please call the Meter Operations Foreman: Nathan Lee @ 850-694-3974 or Les Smith @ 850-933-3061.