

The SIMPLE ConnectDER™

Plug-&-Play Installation for residential Distributed Energy Resources

The SIMPLE ConnectDER™ is a meter collar for rapid connection of grid-ready energy assets.

It is a UL listed, standardized, low-cost alternative to traditional wiring methods.

It supports line-side or load-side connectivity to enable asset deployment configurations for wholesale or retail markets.



BENEFITS

- Drives down wiring costs, logistics headaches, & site inspection time
- Decreases BoS costs by eliminating components and reducing need for premises wiring upgrades
- Integrated circuit breaker provides PV equipment protection & safe field connection to terminal block
- Direct utility grid connection option enables alternate PV asset ownership models

TECHNICAL INFORMATION

- Supports solar PV installations up to 15kW AC
- Grounding and bonding compliant with NEC Article 250
- For use with grid-interactive PV systems with UL 1741-compliant string- or micro-inverters



The ConnectDER is one of these potential “game-changers” that has really caught my attention. ...the main distribution panels in the home are notoriously small, outdated, maxed out, recessed into the wall, not listed for a supply-side interconnection or a combination of the above – making interconnection costly and complex. Utilizing the ConnectDER however can greatly simplify the process – bypassing the existing distribution panel all together and tying directly in at the meter in both a code-compliant and utility-sanctioned manner.

-15 year veteran solar installer

MECHANICAL SPECIFICATIONS

| | |
|------------------------------|--|
| Enclosure rating | NEMA 3R |
| Enclosure type | Injection molded polycarbonate, UL 94 V0 flame rating |
| Cooling | Natural convection |
| Dimensions (H x W x D) | 6.7 x 6.7 x 5.25in (170 x 170 x 133mm) collar only 8.7 x 6.7 x 5.25in (246 x 170 x 133mm) with junction box |
| Weight | 4lb (1.8kg) |
| Shipping weight | 5.5lb (2.5kg) |
| Mounting system | Blade interface with 4-jaw meter socket |
| Electric meter compatibility | Type 2S |
| Meter socket compatibility | Ringless and ring-type meter sockets |
| Circuit interface point | Line-side or load-site circuit interface (factory configured) |
| Conduit connections | Template provided for ½", ¾", or 1" trade size opening |

SAFETY INFORMATION

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|----------------------------|------------------------|
| Applicable safety standard | UL 414 - Meter Sockets |
| File Number | E361188 |



UTILITY INTERACTIVE SOURCE RATINGS

| | |
|--------------------------------------|---|
| Maximum power | 15000 W |
| Maximum voltage | 240 V |
| Maximum continuous PV current | 64 A |
| Continuous combined current, PV/grid | 160 A |
| Inverter wiring termination | Box lugs, maximum wire size 3AWG |
| Grid connection type | Split-Ø/3W |
| Grid wiring termination | Blade interface with meter socket for L1/L2, pigtail for neutral and equipment ground |

OVERCURRENT PROTECTION

| | |
|-------------------------------|--|
| Type | Eaton BR, 120/240V, externally resettable |
| Overcurrent ratings available | 15-45A in 5A increments, 50A-80A in 10A increments |
| Current interrupting rating | 10k and 22k AIC ratings available |

ENVIRONMENTAL

| | |
|---|--------------------------------|
| Ambient air operating temperature range | -22°F to 158°F (-30°C to 70°C) |
| Ambient air storage temperature range | -40°F to 176°F (-40°C to 80°C) |

WARRANTY

| | |
|-------------------|----------|
| Standard warranty | 10 years |
|-------------------|----------|

CONTACT

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The only controlled copy of this data sheet is the electronic read-only version available for download from the Products page of the ConnectDER website. This document is intended to clearly present technical information that will assist the end user in system design. ConnectDER reserves the right to change or update, without notice, any information contained in this document.