

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.

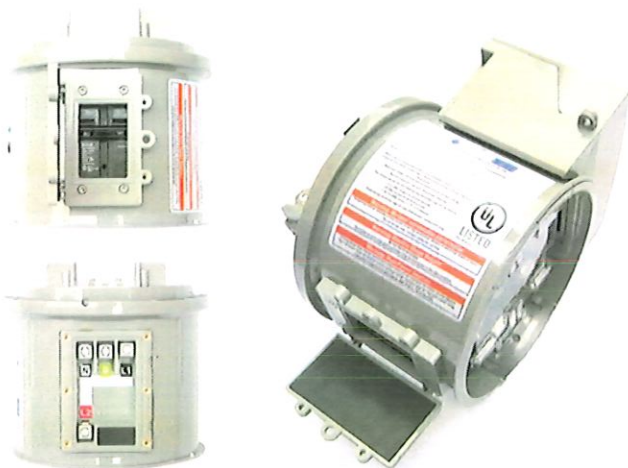


BENEFITS

- 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 ...the main distribution panels in the home are notoriously small, outdated, maxed out, recessed into the wall, not listed for a supply-side interconnection or a combination of the above – making interconnection costly and complex.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

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
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CONTACT

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