

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 ...the main distribution panels in the home are notoriously small, outdated, maxed out, recessed into the wall, not listed for a supply-side interconnection or a combination of the above – making interconnection costly and complex.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	E361118



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

e: Dan.Mackey@greenmountainpower.com

t: 802-747-6878

w: <http://www.greenmountainpower.com/innovative/solar/for-developers-and-installers/>



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.