



SIMPLE CONNECTDER™

Plug-&-Play connection 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, NEC compliant, low-cost alternative to traditional wiring methods.

It supports above-the-meter or below-the-meter 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
- Traditional below-the-meter connection option supports net metering
- Direct utility grid connection (above-the-meter) option enables alternate PV asset ownership models

TECH. INFO

- 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 ...the main distribution panels in the home are notoriously small, outdated, maxed out, recessed into the wall, not listed for a supply-side interconnection or a combination of the above – making interconnection costly and complex.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 8.5 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 or 5-jaw meter socket
ELECTRIC METER COMPATIBILITY	Type 2S, 12S
METER SOCKET COMPATIBILITY	Ringless and ring-type meter sockets
CIRCUIT INTERFACE POINT	Below-the-meter or above-the-meter circuit interface (factory configured)
CONDUIT CONNECTIONS	Groove 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 (2S/4-jaw), 1 Ø/3W (12S/5-jaw)
GRID WIRING TERMINATION	Blade interface with meter socket for L1/L2, pigtail for neutral, optional 5th stab

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 AIC rating

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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