

CONNECTDER SOLAR COLLAR

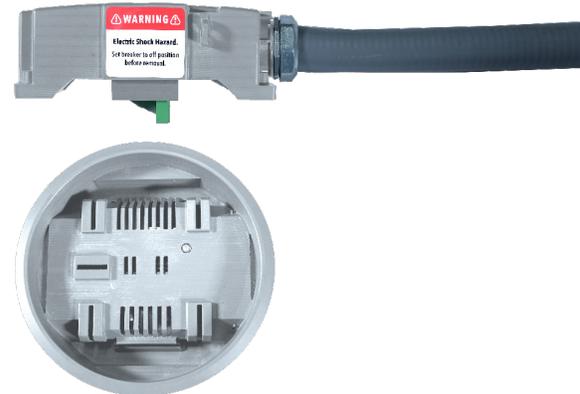
The **ConnectDER™** is designed to rapidly connect grid-ready energy assets. It is a UL-listed, NEC compliant, low-cost alternative to traditional installation methods.



PLUG & PLAY INTERCONNECTION FOR RESIDENTIAL DISTRIBUTED ENERGY RESOURCES

DESIGN IN RESPONSE TO UTILITY FEEDBACK

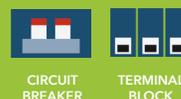
- Eliminates supply-side connections, enhancing safety and efficiency
- Tool-free junction box removal streamlines installation, provides easier access to meter socket for inspection, and enhances safety for emergency personnel
- Junction box to collar interface is touch safe.
- Junction box is reversible to allow for wiring/conduit entry from right or left side
- Compatible with lever and horn bypass meter sockets
- 180A continuous current rating



**FIRST SHIPMENTS IN
SEPTEMBER 2021**

www.connectder.com

INSIDE A CONNECTDER SOLAR COLLAR



CIRCUIT
BREAKER

TERMINAL
BLOCK

CONNECTDER SOLAR COLLAR



MECHANICAL SPECIFICATIONS		UTILITY INTERACTIVE SOURCE RATINGS	
ENCLOSURE RATING	NEMA 3R	MAXIMUM POWER	11.5 KW AC
ENCLOSURE TYPE	Injection molded polycarbonate, UL 94 V0 flame rating	MAXIMUM VOLTAGE	240V
COOLING	Natural convection	MAXIMUM CONTINUOUS PV CURRENT	48A
DIMENSIONS (H X W X D)	6.7 x 6.7 x 4.6in collar only 8.1 x 6.7 x 4.6in with junction box	CONTINUOUS COMBINED CURRENT, PV/ GRID	180A
WEIGHT	3lb (1.3kg)	INVERTER WIRING TERMINATION	Terminal block
SHIPPING WEIGHT	4lb (1.8kg)	GRID CONNECTION TYPE	Split-Ø/3W (2S/4-jaw), 1 Ø/3W (12S/5-jaw)
MOUNTING SYSTEM	Blade interface with 4-jaw or 5-jaw meter socket	GRID TERMINATION METHOD	Blade interface with meter socket for L1/L2, pigtail for neutral, optional 5th stab
ELECTRIC METER COMPATIBILITY	Type 2S, 12S		
METER SOCKET COMPATIBILITY	Ringless and ring-type meter sockets		
DER INTERFACE POINT	Factory configured, above or below the meter		
CONDUIT CONNECTION	Threaded for single 1" NPT fitting, use reducer bushings as needed		
TERMINAL CONNECTIONS	L1, L2, N, G; Up to 6 AWG wire		

SAFETY INFORMATION		OVERCURRENT PROTECTION	
APPLICABLE SAFETY STANDARDS	UL 414 - Meter Sockets	TYPE	Eaton BR, thermal magnetic 120/240V, externally resettable
FILE NUMBER (STANDARDS)	E361188	OVERCURRENT RATINGS AVAILABLE	15-50A in 5A increments, 60A
AMBIENT AIR OPERATING TEMPERATURE RANGE	-22°F to 158°F (-30°C to 70°C)	CURRENT INTERRUPTING RATING	10k AIC rating
AMBIENT AIR STORAGE TEMPERATURE RANGE	-40°F to 176°F (-40°C to 80°C)		
CURRENT INTERRUPTING RATING	10k AIC rating		



“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

CONNECTDER

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