



SOLAR METER SOCKET ADAPTER

The ConnectDER™ Solar Meter Socket Adapter (MSA) is designed to rapidly connect grid-ready solar PV assets to the home. The adapter is UL-listed, NEC compliant, and a low-cost alternative to traditional installation methods.



SIMPLE PLUG & PLAY

INTERCONNECTION FOR RESIDENTIAL SOLAR PV

- Eliminates main panel upgrades (MPU), reduces costs, and standardizes safe, efficient installations
- Tool-free junction box removal provides easier access to meter socket for inspection and allows for safe removal by emergency personnel
- Reversible junction box with conduit entry from either side of the MSA
- Ability to interconnect Solar PV without entering the premises or accessing the main panel
- Compatible with most residential meter sockets, including lever and horn bypass
- Integrated overcurrent protection device for Solar PV (80A, 22k AIC maximum)
- Suitable for use as service equipment

Coming Soon!

www.connectder.com

INSIDE A CONNECTDER SOLAR MSA



CIRCUIT BREAKER



TERMINAL BLOCK

SOLAR METER SOCKET ADAPTER V5.2



MECHANICAL SPECIFICATIONS		UTILITY INTERACTIVE SOURCE RATINGS	
ENCLOSURE RATING	NEMA 3R	MAXIMUM POWER	15.36 KW AC
ENCLOSURE TYPE	Injection molded polycarbonate, UL 94 V0 flame rating	MAXIMUM VOLTAGE	240V
COOLING	Natural convection	MAXIMUM CONTINUOUS PV CURRENT	64A
DIMENSIONS (H X W X D)	6.7 x 6.7 x 4.6in adapter only 8.6 x 7.0 x 4.6in with junction box	CONTINUOUS COMBINED CURRENT, PV/GRID	190A for line side 200A for load side
WEIGHT	4.1lb (1.9kg)	INVERTER WIRING TERMINATION	Terminal block
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
ELECTRIC METER COMPATIBILITY	Type 2S, type 12S		
METER SOCKET COMPATIBILITY	Ringless and ring-type, lever and horn bypass meter sockets		
DER INTERFACE POINT	Factory configured, line side or load side of utility meter/supply side of main service disconnect		
CONDUIT CONNECTION	Single 1" NPT fitting		
TERMINAL CONNECTIONS	L1, L2, N, G; Up to 3 AWG wire		
SAFETY INFORMATION		OVERCURRENT PROTECTION	
APPLICABLE SAFETY STANDARDS	UL 414 - Meter Sockets	TYPE	Siemens Type QP, Eaton Type BR (10k AIC) Siemens Type QH, Eaton Type BRH (22k AIC) Thermal magnetic 120/240V, externally resettable
UL FILE NUMBER (STANDARDS)	E361188	OVERCURRENT RATINGS AVAILABLE	40A, 60A and 80A Standard
AMBIENT AIR OPERATING TEMPERATURE RANGE	-22°F to 158°F (-30°C to 70°C)	CURRENT INTERRUPTING RATING	10k AIC or 22k AIC
AMBIENT AIR STORAGE TEMPERATURE RANGE	-40°F to 176°F (-40°C to 80°C)		



“ConnectDER’s Solar Meter Socket Adapter 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 adapter however can greatly simplify the process - bypassing the existing distribution panel altogether and tying directly in at the meter in both a code-compliant and utility-sanctioned manner.”

- 15 Year Veteran Solar Installer