



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; provides a safe, reliable, and standardized point of interconnection
- Tool-free junction box removal provides easy access to meter socket for inspection and allows for safe removal by emergency personnel
- Junction box is reversible for 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)



Available Now!

www.connectder.com

INSIDE A CONNECTDER SOLAR MSA



CIRCUIT BREAKER



TERMINAL BLOCK

Suitable for use as Service Equipment





SOLAR METER SOCKET ADAPTER



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 4.6in adapter only 8.6 x 7.0 x 4.6in with junction box
WEIGHT	4.1lb (1.9kg)
MOUNTING SYSTEM	Blade interface with 4-jaw or 5-jaw meter socket
ELECTRIC METER COMPATIBILITY	Type 2S and 12S
METER SOCKET COMPATIBILITY	Ringless and ring-type, lever and horn bypass meter sockets
DER INTERFACE POINT	Factory configured, 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

APPLICABLE SAFETY STANDARDS	UL 414 – Meter Sockets
UL FILE NUMBER (STANDARDS)	E361188
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)

UTILITY INTERACTIVE SOURCE RATINGS

MAXIMUM POWER	15.36 KW AC
MAXIMUM VOLTAGE	240V
MAXIMUM CONTINUOUS PV CURRENT	64A
CONTINUOUS COMBINED CURRENT, PV/GRID	200A
INVERTER WIRING TERMINATION	Terminal block
GRID TERMINATION METHOD	Blade interface with meter socket for L1/L2, pigtail for neutral

OVERCURRENT PROTECTION

TYPE	Siemens Type QP, Eaton Type BR (10k AIC) Siemens Type QH, Eaton Type BRH (22k AIC) Thermal magnetic 120/240V, externally resettable
OVERCURRENT RATINGS AVAILABLE	40A, 60A and 80A Standard
CURRENT INTERRUPTING RATING	10k AIC or 22k AIC

