



EV METER SOCKET ADAPTER

The ConnectDER™ EV Meter Socket Adapter (EV MSA) is designed to rapidly connect EV chargers to the home. Our MSA is ETL listed and tested to UL 414 standards, NEC compliant, and a low-cost alternative to traditional installation methods. Its reversible connection module allows for conduit entry on either side of the MSA.



SIMPLE PLUG & PLAY

RAPIDLY CONNECT EV CHARGERS TO THE HOME
NO UPGRADE REQUIRED



Savings

Our MSA eliminates main panel upgrades (MPU), reduces costs, and standardizes safe, efficient installations

Easy & Safe Removal

Tool-free connection module removal provides easier access to meter socket for inspection and allows for safe removal by emergency personnel

Overcurrent Protection

Integrated controls and overcurrent protection to prevent exceeding continuous current rating of meter socket and service

Meter Sockets

Compatible with most residential meter sockets, including lever and horn bypass

Backed by a 12.5-year warranty

Contact Us to
Learn More

www.connectder.com
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INSIDE A CONNECTDER EV MSA



CIRCUIT BREAKER



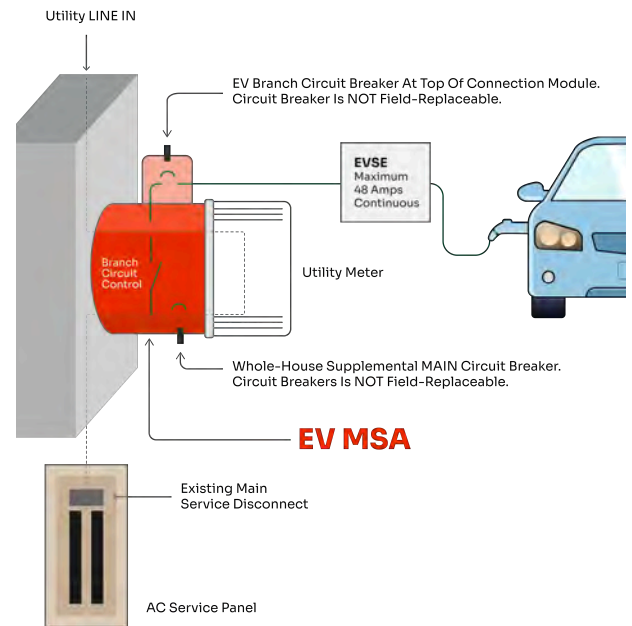
ENERGY MANAGEMENT



PLUGGABLE INTERFACE

Suitable Only for Use as Service Equipment

ELECTRIC VEHICLE 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)	9.5 x 7.5 x 6.0 in with connection module
WEIGHT	5.4lb (2.4kg)
MOUNTING SYSTEM	Blade interface with 4-jaw or 5-jaw meter socket
ELECTRIC METER COMPATIBILITY	Type 2S
METER SOCKET COMPATIBILITY	Ringless and ring-type, lever and horn bypass meter sockets
POINT OF INTERCONNECTION	Factory configured, load-side of utility meter/supply-side of main service
CONDUIT CONNECTION	3/4" trade size conduit
TERMINAL CONNECTIONS	L1, L2, N, G; Up to 6 AWG wire

EVSE/ DER CIRCUIT LOAD RATINGS

MAXIMUM POWER	7.68 KW AC
MAXIMUM VOLTAGE	240V
MAXIMUM CONTINUOUS DER BRANCH CIRCUIT CURRENT	48A
CONTINUOUS COMBINED CURRENT, DER/GRID	100/125A
DER WIRING TERMINAL	Terminal block
GRID CONNECTION TYPE	Split-Ø/3W (2S/4-jaw)

SAFETY & ENVIRONMENTAL INFORMATION

APPLICABLE SAFETY STANDARDS	UL 414 – Meter Sockets
ETL CONTROL NUMBER	5028888
AMBIENT AIR OPERATING TEMPERATURE RANGE	-22°F to 149°F (-30°C to 65° C)
AMBIENT AIR STORAGE TEMPERATURE RANGE	-40°F to 176°F (-40°C to 80°C)

OVERCURRENT PROTECTION

TYPE	Siemens Type QPH, thermal magnetic, 120/240V, pigtail for neutral
WHOLE HOUSE OVERCURRENT PROTECTION RATINGS	100A, 125A
DER BRANCH CIRCUIT OVERCURRENT PROTECTION RATINGS	40A, 60A
CURRENT INTERRUPTING RATINGS	22k AIC rating

DER BRANCH CIRCUIT CONTROL PARAMETERS (Load Control for Service Rating)

UTILITY SERVICE RATING	125A	100A
CONTINUOUS CURRENT TRIP (15 MIN ACCUMULATED)	98A	78A
CONTINUOUS CURRENT TRIP (30 SEC)	119A	95A
RECONNECT TIME (15 MIN ACCUMULATED)	66A	46A

