

Meter Socket Adapter

Approved Product List

Meter socket adapters (MSAs) are used to connect distributed energy resources (DERs) or electric vehicle (EV) charging equipment without modification of the panel. MSAs can either be isolating (allowing temporary grid isolation) or non-isolating and must be customer-owned in order to be eligible for the MSA program. The MSA is purchased and owned by the customer but must be approved and installed by SCE. To apply to the program once an MSA has been purchased, please visit the online program enrollment portal. For more information, please visit sce.com/msa.

As of : 07/07/2026						
MSA Manufacturer	Approved Model Number	Isolating	Compatible Technology Type	Additional Required Devices	Technical Requirements	Notes
ConnectDER	EV V1.0 E-B-4-22-60-100 (100 Rated Amps) EV V1.0 E-B-4-22-60-125 (125 Rated Amps)	N	Electric Vehicle	Electric Vehicle Supply Equipment (EVSE)	INSTALL ON ANSI C12, FM 2S METER SOCKET, 100A or 125A CONTINUOUS CURRENT, 120/240 VAC/180 SPLIT PHASE, 60HZ Approved for EVSE connection	Currently undergoing pilot phase.
ConnectDER	IslandDER V-1-A- X (Analog)	Y	Battery Energy Storage	Lunar Energy Storage System (LE-ESS- X KWH or L2-ESS- X KWH) and Meter Socket Adapter Controller (LE-MSAC-01) or FranklinWH Energy Storage System (aPower Xyyy or aPower Syyy) and Meter Adapter Controller (MAC yyy) or EcoFlow Energy Storage System (EF-PCS-24 and EF-BP-10) and Meter Backup Switch (EF-MBS-002) or FoxESS Energy Storage System (US1H- X -EQL Y) and Meter Collar Hub <i>Note: Refer CEC Solar Equipment Lists for X, Y, yyy values</i>	INSTALL ON ANSI C12, FM 2S METER SOCKET, 200A CONTINUOUS CURRENT, 240 VAC, 60 Hz IslandDER V-1-A- X MSA should be paired with compatible Lunar Energy or FranklinWH or EcoFlow or FoxESS Energy Storage and Controller	Currently undergoing pilot phase.
	IslandDER V-1-D- X (Digital)					
NeWorld	EQB MIM 200 Plus PE	Y	Battery Energy Storage	Solar Edge SE7600H and SolarEdge Backup Interface or FranklinWH Energy Storage System (aPower Xyyy or aPower Syyy) and Meter Adapter Controller (MAC yyy)	INSTALL ON ANSI C12, FM 2S METER SOCKET, 200A CONTINUOUS CURRENT, 120/240 VAC/180 SPLIT PHASE, 60HZ MSA should be paired with Solar Edge or FranklinWH Energy Storage and Controller MSA is compatible with Load or Line Side electrical connection method.Generation Interconnection SLD should call out "Electrical Connection Method - Line-side or Load-side" next to the MSA. Additional generation interconnection requirements apply if MSA installation includes Line-Side DER connection: - Signed PE Stamp on the SLD and a plot plan - Fused AC disconnect switch with a maximum fuse of 100 Amps or less - Only generation is allowed to be connected on the line side from the MSA, load is not allowed - Aggregate generation connected to the MSA on the line side must not exceed 100 Amps	Currently undergoing pilot phase.
Enphase	MC-200-011-V01	Y	Battery Energy Storage	Enphase IQ Battery 5P, IQ System Controller 3M and IQ Combiner 5/5C or Enphase IQ Battery 10C and IQ Combiner 6C	INSTALL ON ANSI C12, FM 2S METER SOCKET, 200A CONTINUOUS CURRENT, 120/240 VAC/180 SPLIT PHASE, 60HZ MSA should be paired with compatible EnPhase IQ Battery and Controller	Approved for MSA application
Tesla	Backup Switch 1624171-xx-y	Y	Electric Vehicle	Tesla Cybertruck and Tesla Gateway 3V	INSTALL ON ANSI C12, FM 2S METER SOCKET, 200A CONTINUOUS CURRENT, 120/240 VAC/180 SPLIT PHASE, 60HZ MSA should be paired with compatible Tesla EV (Cybertruck) and Controller	Approved for Vehicle to Home backup application only
Tesla	Backup Switch 1624171-xx-y	Y	Battery Energy Storage	Tesla Powerwall + (1850000-XX-Y) or Tesla Powerwall 3 (1707000-XX-Y)	INSTALL ON ANSI C12, FM 2S METER SOCKET, 200A CONTINUOUS CURRENT, 120/240 VAC/180 SPLIT PHASE, 60HZ MSA should be paired with compatible Tesla Energy Storage	Approved for MSA application

Notes

Please reach out to MEintake@sce.com to submit a new product for evaluation by SCE's meter engineering department.
Any isolating devices may have their battery energy storage paired with a solar system.
Generation Interconnection SLD should call out "make/model of the MSA" next to the meter. SLD should identify and call out all additional required devices (such as energy storage system and controller) for the proposed system as listed on CEC list or NRTL certificate.

Definitions:

Isolating – an isolating MSA provides a way to temporarily enable grid isolation without modification of the panel
Non-Isolating – a non-isolating MSA provides a way to connect to distributed energy resources (DERs) or EV charging equipment without modification of the panel, however, grid isolation is not possible
Non-Utility MSA – a non-utility MSA is defined as a Meter Socket Adaptor installed in a customer-owned or third-party meter socket panel that does not house the SCE billing meter.
- Applicant should not submit Meter Adapter Request (MAR) for non-utility MSA installations.
- Please contact manufacturer for updates on approved MSA configurations including non-utility MSA (installation on a non-utility meter socket panel).
- Generation Interconnection SLD should call out "Non-Utility MSA" and "make and model of the MSA" next to the customer-owned meter socket panel.

Manufacturer	Contact Information
ConnectDER	https://connectder.com/
Enphase	https://enphase.com/
NeWorld	https://www.energyquarterback.com/
Tesla	https://www.tesla.com/