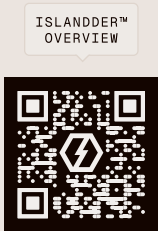




IslandDER™ Meter Socket Adapter (MSA)

- Microgrid Interconnect Device (MID)
- MID Override Switch
- Consumption Current Transformers (CTs)
- Reversible Connection Module
- LED Status Lights
- Patented Passive Cooling
- 12.5-Year Warranty



ANALOG: #V-1-A-6
DIGITAL (SOLAREGE): #V-1-D-SE

Standardized MID Solution, Adopted By Leading Battery Makers

More choice and system integrations than any meter collar on the market.

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Save Hours To Days Per Job, Complete More Installs

Avoid circuit relocations, panel upgrades, and installing separate system controllers.

4-8 Hours AVG TIME SAVINGS		2 Installs/Day INCREASED VOLUME		\$2,500-\$5,000 AVG COST SAVINGS (INSTALLER FEEDBACK)	
	IslandDER™	System Controllers	Circuit Relocation	Service/MPU	
Single-Line Diagrams	Simple, Repeatable	Complex, Custom	Complex, Custom	Complex, Custom	
MID & CTs	Built-In	Built-In or Separate	Separate	Separate	
Install Time	15-30 Minutes	3-6 Hours	1-2 Days	2-3 Days	
Panel Work	None-Minimal	Moderate	Substantial	Substantial	
Home Repairs	None	Walls & Painting	Walls & Painting	Walls & Painting	
Battery Choice Additional battery partners coming soon	FranklinWH, Lunar Energy, SolarEdge, EcoFlow, Fox ESS	Locked Into Battery System	Broad	Broad	
Meter Socket Types Utility and AHJ requirements may apply to meter socket compatibility	Ring/Ringless, 2S/12S, Lever/Horn Bypass, Standalone/Meter Main	N/A	N/A	N/A	
Single Sockets & Meter-Main Combos	Easy	Labor Intensive	Labor Intensive	Labor Intensive	
Safety Risk	Low	Moderate	Moderate	Moderate	



SALES / QUESTIONS

sales@connectder.com

orders@connectder.com

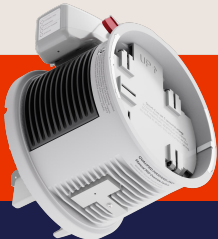
connectder.com/contact

INSTALL / PRODUCT SUPPORT

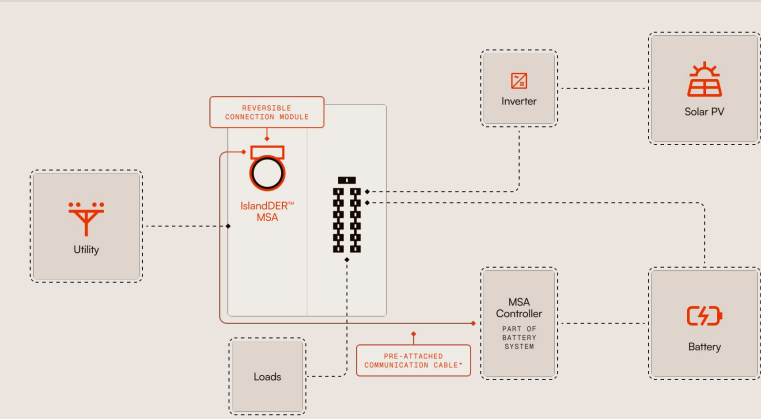
support@connectder.com

(703) 232-1427

connectder.com/installation

MECHANICAL SPECIFICATIONS		COMMUNICATIONS	
Enclosure Rating	NEMA 3R	Type	Discrete sensing, control, status, and 12V power signals
Enclosure Type	Injection molded polycarbonate, UL 94 / 5VA flame rating	Cable	Pre-assembled, multi-conductor, outdoor/UV rated
Thermal Management	Passive cooling, heat sinks; no failure-prone moving parts	Connexion	Factory-wired pluggable connection: Weathertight, reversible at top of MSA, pre-attached connector to 3rd party equipment
Optional Neutral Connection	Wired to meter socket or 5th stab options	Power	12V DC bus to/from 3rd party system, Max 5W power supply available to 3rd party system from grid side of MID (load side of meter)
Dimensions (W x H x D)	6.7" x 7.8" x 4.9" (with pluggable Connection Module)	Current Sensing	ANSI 0.2 accuracy class CTs for revenue grade sensing, additional line and load side (of MID) Rogowski coils at < 5% accuracy
Weight	5.55 lbs. / 2.52 kg (with Connection Module and 6 ft analog cable)	Voltage Sensing	Line and load side (of MID) - 0.4% accuracy at ambient, 1% across temperature range
Shipping Weight	7.75 lbs (3.51 kg)	MID Control	Discrete open/close signals with 1ms input noise rejection, Actuation time < 15 ms
Mounting System	Blade interface with 4-jaw or 5-jaw meter socket	MSA Status	Discrete signals for MID open/close status, manual MID override interlock, MID ready, grid power present, MSA fault
Electric Meter Compatibility	Type 2S, 12S	Internal Temperature Sensing	-58°F to 302°F (-50°C to 150°C)
Meter Socket Compatibility	Ringless, Ring-type, Lever, Horn Bypass	Applicable to Model Numbers ANALOG: V-1-A-6 / V-1-A-X DIGITAL: V-1-D-SE 	
Manual MID Override	Externally accessible switch, protected by (dry contact) interlocked tool-access cover		

RATINGS	
Voltage	208V, 240V
Max Continuous Current	200A
Short Circuit Rating	22k AIC (Rating independent of any external load side overcurrent devices)
MID Rated Cycles	10,000
Applicable Safety Standards	UL 414 SA, SB, SC — meter sockets, UL 1741 / 3141 / 9741 system ready
Emissions	FCC CFR Part 15 Class B, ANSI C12 / IEC 61000
ETL	ETL file # 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)



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IslandDER allows us **quicker and cleaner installations**, and we're excited to continue expanding its use in many of our markets.

BRAD INGRAM | DIRECTOR OF HARDWARE ENGINEERING

SUNRUN

PS-00012REVB

INSTALLATION MANUAL



Installs behind the utility meter in approved territories. Where meter collars are not approved, you may install IslandDER™ nationwide in a separate standalone, customer-owned socket. For the most up-to-date information, visit connectder.com/installation.

*The SolarEdge Nexis IslandDER™ model swaps the pre-attached analog cable with a RJ45 port and ethernet for digital communication. The ethernet plugs into the Nexis battery's inverter, and does not require a MSA Controller.