

SolarEdge Nexis IslandDER™

Adapter designed to provide a safe, streamlined, and cost-effective way to island home without expensive main panel upgrades



MID INTEGRATION FOR RESIDENTIAL DISTRIBUTED ENERGY RESOURCES
COMPATIBLE WITH SOLAREGE NEXIS SOLUTION



Simply Plug & Play

- Helps avoid main panel upgrades (MPUs) by simplifying CT and MID installations.
 - Built-in PCS certification
- Customer-friendly, lower installation costs, fewer visible components for a streamlined aesthetic
- Supports multiple common and emerging use cases: whole-home backup, partial-home backup, TOU load shifting / energy arbitrage, self-consumption and more.
- Designed for NEC compliance, listed to industry standards (UL 414 SA, SB, SC).
- Integrated CTs, voltage sensing and MID control framework for easy integration into UL 1741 / 3141 / 9741 compliant system and PCS support.¹
- Pluggable, reversible hardwired data connection from MSA to SolarEdge Nexis Inverter for quick and reliable communications and control. Toolless removal allows easy meter socket inspection.
- Compatible with 2S and 12S meter forms, as well as ring, ringless, lever and horn bypass meter sockets.

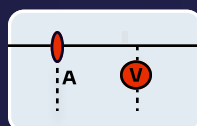
1. When used in combination with a supported UL 1741/3141/9741 system that has been specifically evaluated for use with SolarEdge Nexis IslandDER™.

CONTACT US

 [Solaredge.com/us/contact-us](https://solaredge.com/us/contact-us)

 solaredge.com

KEY COMPONENTS WITHIN AN ISLANDDER MSA



CURRENT + VOLTAGE MEASUREMENT



MID



DATA INTERFACE

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	Field-installed, Outdoor/UV rated ethernet cable
THERMAL MANAGEMENT	Passive Cooling, Heat Sinks	CONNECTION	Field-wired from Connection Module SolarEdge Nexis Inverter, Pluggable, Weathertight RJ45 Connection with sealing boot, Reversible at top of MSA
OPTIONAL NEUTRAL CONNECTION	Wired to Meter Socket or 5th Stab Options	POWER	12V DC bus to/from SolarEdge Nexis Inverter, Max 5W power supply available to SolarEdge Nexis Inverter from grid side of MID (load side of meter)
DIMENSIONS (W x H x D)	(W) 7.6" x (H) 7.8" x (D) 4.9"	MSA CURRENT SENSING	ANSI 0.2 Accuracy Class CTs for Revenue Grade Sensing
WEIGHT	5.65 lbs / 2.56 kg (with Connection Module)	MSA VOLTAGE SENSING	Line and Load side (of MID) - 0.4% Accuracy at Ambient, 1% Across Temperature Range
SHIPPING WEIGHT	7.3 lbs (3.31 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	WHOLE PRODUCT SENSING ACCURACY	Current <1% Voltage < 1% at ambient, <1.6% across temperature range
MANUAL MID OVERRIDE	Externally Accessible Switch, Protected by (Dry Contact) Interlocked Tool-Access Cover		

RATINGS

VOLTAGE	208V, 240V	APPLICABLE SAFETY STANDARDS	UL 414 SA, SB, SC – Meter Sockets, UL 1741 / 3141 / 9741 system ready
MAX CONTINUOUS CURRENT	200A	EMISSIONS	FCC CFR Part 15 Class B, ANSI C12 / IEC 61000
SHORT CIRCUIT RATING	22k AIC ₃	ETL FILE NUMBER	5028888
MID RATED CYCLES	10,000	AMBIENT AIR OPERATING TEMPERATURE RANGE	-22°F to 149°F (-30°C to 65°C)
WARRANTY	12 Years (by ConnectDER)	AMBIENT AIR STORAGE TEMPERATURE RANGE	-40°F to 176°F (-40°C to 80°C)

2. The specifications and information in this preliminary datasheet are subject to extended validation and change. No warranty, either implied or explicit, is given regarding delivery, accuracy, or performance. ConnectDER reserves the right to modify its technical information and product specifications at any time without notice.

3. Rating independent of any external load side overcurrent devices

