MNE125STMPII3KUL-P
MNE125STMPII3KUL-F

The **MNE125STMPII3KUL-P** and **MNE125STMPII3KUL-F** E-Panels were specifically designed for Victron Energy's 3kVA/48 VDC Multi-Plus II (UL) inverter/charger. These E-Panels provide the additional components necessary to create a code compliant system - in a compact, affordable and professional panel for mounting a single inverter or for Series-Stacking* two 120V AC inverters.

The E-Panel designed by MidNite Solar is the standard in off-grid systems - offered by professional Solar installers. The **MNE125STMPII3KUL-P** (Primary) provides the safety disconnects and connections for Leg 1 of a Series-Stacked inverter pair, and also includes the inverter system bypass. The **MNE125STMPII3KUL-F** (Follower) provides the safety disconnects and connections for Leg 2 of the Series-Stacked inverters pair.

An essential part of every Renewable Energy system is the over-current disconnects. The MidNite E-Panel uses custom manufactured RE circuit breakers to ensure systems have the proper protection for the many different AC and DC circuits involved. These E-Panels integrate high voltage PV input, charge controller outputs, inverter over-current protection, DC load circuits, AC input disconnect, AC input/output bypass, AC load circuits, DC-GFP circuit and wind turbine/hydro input circuits.

Designed and Built in the USA!

Features:

- Pre-wired to save time, money and complexity.
- All field wiring connections clearly labeled
- A built-in AC bypass switch with full inverter current capability, and a DC disconnect breaker for safe and easy isolation for servicing of the inverter and/or battery bank.
- Battery to inverter/charger DC disconnect breaker (125 Amps).
- Inverter AC input over current protection breakers.
- DIN mount AC and DC breakers for quick and easy operation.
- A 500A/50mV DC shunt installed for easy connection to battery status monitor.
- Enclosure and components are UL/CSA certified and designated for indoor use.
- Configurations available for both single 120V and 120/240V AC systems.
- DC negative, positive and ground busbars for DC loads and PV arrays included.
- Mounting provided for DIN rail DC load/disconnect breakers.
- White powder-coated steel enclosure
- Mounting hardware for inverter and charge controller
- Mounting brackets for hanging E-panel on wall.
- Knockouts for inverter/charger and battery cables, PV in/out, DC panel mount breakers.
- Integrates directly with Victron Energy's 3kVA/48V DC Multi-Plus II (UL) inverter/charger.

*Series-Stacking - allows a Primary and Follower inverter (both 120V AC inverters) to be connected together to provide 120V and 240V AC outputs. When these inverters are connected together in a "series-stacked" configuration, the AC output of each 120V AC inverter is 180° out-of-phase from each other. This allows each inverter to provides two 120V AC outputs (Leg 1 and Leg 2), and using both inverters to provides a 240V AC output. This is commonly referred to as 120/240V AC split-phase and is the same AC voltage configuration that utility companies provide to homes.

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Model Number	MNE125STMPII3KUL-P	MNE125STMPII3KUL-F
AC System Wiring Configuration	120V AC only, or Primary (Leg 1) in series-stacked system	Follower (Leg 2) in series-stacked system
AC Input Breakers	Dual-pole 60A	Single-pole 60A
AC Output Breakers	Dual-pole 60A	Single-pole 60A
AC System Bypass	Dual-pole 60A	NA (uses Primary Bypass)
AC Bus Bars	Leg 1 In / Black (x1) Leg 1 Out / Black (x1) Leg 2 In / Red (x1) Leg 2 Out / Red (x1) Neutral / White (x1)	Leg 2 In / Red (x1) Leg 2 Out / Red (x1) Neutral / White (x1)
DC Breaker	125A	125A
DC Shunt	500A/50mV	500A/50mV
DC Bus Bars	Battery Negative (x1) Battery Positive (x1) PV Positive (x1) PV Negative (x1)	Battery Negative (x1) Battery Positive (x1) PV Positive (x1) PV Negative (x1)
Safety Listed	UL1741 and CSA C22.2 107-01	UL1741 and CSA C22.2 107-01
Unit Dimensions	25"x 16"x 4 ½" (63.5 cm x 40.6 cm x 11.4 cm)	25"x 16"x 4 ½" (63.5 cm x 40.6 cm x 11.4 cm)
Shipping Dimensions	28" x 18 ½"x 10" (63.5 cm x 47 cm x 25.7 cm)	28"x 18 ½"x 10" (63.5 cm x 47 cm x 25.7 cm)
Shipping Weight	39 lb (17.7 kg)	36 lb (16.3 kg)

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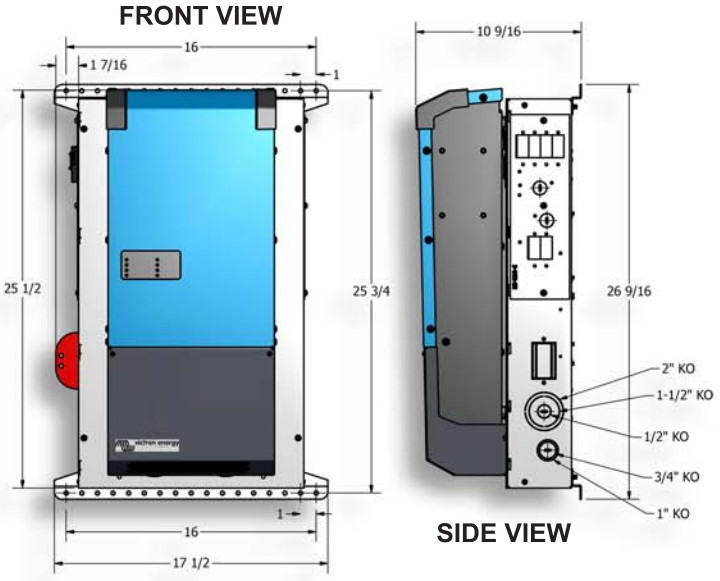
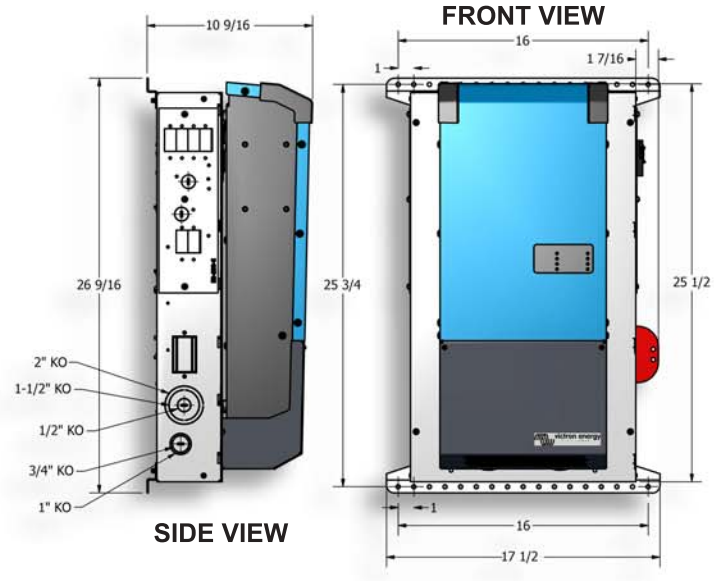


MNE125STMPII3KUL-F



VICTRON INVERTER
INSTALLED ON E-PANEL