



**ENGAGE CABLE**  
 BLACK - L1  
 RED - L2  
 WHITE - NEUTRAL  
 GREEN - GROUND

**NOTE:** Ground PV modules according to local requirements.

JUNCTION BOX

**NOTE:** The M250 has integrated ground, and no GEC is required. The DC circuit is isolated and insulated from ground and meets the requirements of NEC 690.35

TERMINATOR CAP  
 INSTALLED ON  
 END OF CABLE

UP TO 16 M250s  
 PER BRANCH CIRCUIT

TO METER  
 OR AC DISTRIBUTION  
 PANEL

ONE 2-POLE 20 AMP  
 CIRCUIT BREAKER  
 PER BRANCH CIRCUIT

NEUTRAL GROUND  
 AC DISTRIBUTION PANEL  
 OR SUBPANEL

ENVOY COMMUNICATIONS GATEWAY

ETHERNET CONNECTION  
 TO BROADBAND ROUTER

120 VAC POWER CABLE

**IMPORTANT:** Make sure to measure the line-to-line and the line-to-neutral voltage of all service entrance conductors prior to installing any solar equipment. The voltages for the 240VAC rated microinverters should be within the following ranges:  
 line to line - 211 to 264 VAC, line to neutral - 106 to 132 VAC.

**ENPHASE M250 MICROINVERTER  
 FIELD WIRING DIAGRAM  
 240 VAC SINGLE PHASE  
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