



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

NOTE: Ground PV modules according to local requirements.

JUNCTION BOX

TERMINATOR CAP
 INSTALLED ON
 END OF CABLE

NOTE: The M215-60-2LL-S22-IG 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

UP TO 17 M215s
 PER BRANCH CIRCUIT

Best Practice: Center-feed the branch circuit to minimize voltage rise in a fully-populated branch. This practice greatly reduces the voltage rise as compared with an end-fed branch. To center-feed a branch, divide the circuit into two sub-branch circuits protected by a single overcurrent protection device (OCPD).

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 M215 "IG" MICROINVERTER
 FIELD WIRING DIAGRAM
 240 VAC SINGLE PHASE

Integrated Ground (IG) Microinverter Only
 Example M215-60-2LL-S22-IG