



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

**Q CABLE**  
BLACK - L1  
RED - L2

Q AGGREGATOR  
or JUNCTION BOX

TERMINATOR CAP  
INSTALLED ON  
END OF CABLE

**NOTE:** The IQ 7 Micro and the IQ 7+ Micro have integrated ground and double insulation, so no GEC or EGC is required. The DC circuit is isolated and insulated from ground and meets the requirements of NEC 690.35

UP TO 16 IQ 7 MICROS or 13 IQ 7+ MICROS  
PER 240 AC BRANCH CIRCUIT

IQ ENVOY

TO METER  
OR AC DISTRIBUTION  
PANEL

ONE 2-POLE 20 AMP  
CIRCUIT BREAKER  
PER BRANCH CIRCUIT

NEUTRAL GROUND  
AC DISTRIBUTION PANEL  
OR SUBPANEL

**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 microinverters should be within the following ranges:  
 - **240 VAC:** line to line: 211 to 264 VAC, line to ground: 106 to 132 VAC.  
 - **208 VAC:** line to line: 183 to 229 VAC, line to ground: 106 to 132 VAC.

**ENPHASE IQ 7 and IQ 7+ MICROINVERTER  
FIELD WIRING DIAGRAM**