

The information contained in this document is the proprietary and confidential information of Enphase Energy. You will not provide, make available or disclose (or use for any purpose other than that contemplated by this document) any such information to any other party without the express, written consent of Enphase Energy

REVISIONS			
REV	DESCRIPTION	CHKD	DATE
01	RELEASE	JHL	03/31/08
02	FIXED INVERTER CABLE COLOR CODE	JHL	10/30/08
03	REMOVED BRANCH DISCONNECTS	JHL	11/04/08
04	UPDATED FOR M190, M210	JHL	06/29/09

**ENPHASE AC INTERCONNECT CABLE**  
 BLACK - L1  
 RED - L2  
 ORANGE - L3  
 BLUE - NEUTRAL

JUNCTION BOX

END CAP INSTALLED ON LAST INVERTER CABLE OF BRANCH CIRCUIT

1 - 3 POLE 15 AMP CIRCUIT BREAKER PER BRANCH CIRCUIT

AC LOAD CENTER

RJ45 CABLE TO BROADBAND ROUTER

LINE COMMUNICATIONS FILTER

PHASE A-B

PHASE C-A

PHASE B-C

THE FIRST AC CONNECTOR IN EACH BRANCH CIRCUIT IS SUITABLE AS A DISCONNECTING MEANS THE AC LOAD CENTER BREAKER SHOULD BE OPENED PRIOR TO DISCONNECTING AC CONNECTORS

UP TO 21 M190-72-208-S1x  
 OR  
 UP TO 18 M210-84-208-S1x  
 MICRO-INVERTERS  
 PER BRANCH CIRCUIT  
 @ 208 VAC (Approx. 4200 WAC)

GROUND

TO METER OR AC DISTRIBUTION PANEL

**IMPORTANT:** Make sure that you measure the Line-to-Line and Line-to-Neutral voltage of all service-entrance conductors prior to installing any solar generation equipment. The voltages for the 208 Vac rated microinverter models should be within the following ranges:  
 L1 to L2 to L3 - 183 to 229 Vac, L1, L2, L3 to neutral - 106 to 132 Vac

TOLERANCES: UNLESS OTHERWISE SPECIFIED  
 .X = .06  
 .XX = .02  
 .XXX = .010  
 FRACTIONS = ±1/32"  
 ANGLES = ±2°  
 ALL DIMENSIONS ARE IN INCHES  
 3RD ANGLE PROJECTION

MATERIAL:  
 -  
 SEE NOTES  
 FINISH:  
 -  
 SEE NOTES

APPROVALS		DATE
DRN BY	J. LAUGHY	3/31/08
ENGR		
MFG		

[e] enphase ENERGY		201 1st st suite 111 Petaluma, CA 94952 707-763-4784	
FIELD WIRING DIAGRAM 208 VAC THREE PHASE WITH LCF M175-24-208-S			
DWG NO.	144-00003	REV	04
DO NOT SCALE DRAWING		SCALE	SHEET OF

