



APsystems Microinverter Installation manual

APsystems QT2 Microinverter

(For EMEA)



ALTENERGY POWER SYSTEM Inc.
emea.APsystems.com

APsystems

Karspeldreef 8, 1101 CJ, Amsterdam, The Netherlands
EMAIL: info.emea@APsystems.com

APsystems

244c rue du Point du Jour 01000 Saint Denis lès Bourg, France
EMAIL: info.emea@APsystems.com



Please scan this QR code to have
access to our APPs and Products
information

© All Rights Reserved

Table of Contents

1. Important Safety Instructions	2
1.1 Safety Instructions	2
1.2 Radio Interference Statement	3
1.3 Symbols in lieu of words	4
2. APsystems Microinverter System Introduction	5
3. APsystems Microinverter QT2 Introduction	7
4. APsystems Microinverter System Installation	8
4.1 Additional accessories supplied by APsystems	8
4.2 Other required accessories not supplied by APsystems	8
4.3 Installation Procedures	9
4.3.1 Step 1 - Verify that grid voltage matches microinverter rating	9
4.3.2 Step 2 – AC Bus Cable distribution	9
4.3.3 Step 3 - Attach the APsystems Microinverters to the Racking	9
4.3.4 Step 4 - Ground the system	10
4.3.5 Step 5 - Connect the APsystems microinverter to AC bus cable	10
4.3.6 Step 6 - Install a Bus Cable End Cap at the end of AC bus cable	11
4.3.7 Step 7 - Connect APsystems Microinverters to the PV Modules	12
4.3.8 Step 8 - Connect APsystems Microinverters to Grid	13
4.3.9 Step 9 - AC Extension Cable	13
4.3.10 Step 10 - Complete the APsystems installation map	14
4.3.11 Step 11 - Warning Notice	14
5. APsystems microinverter system operating instructions	15
6. Troubleshooting	16
6.1 Status Indications and Error Reporting	16
6.1.1 Start up LED	16
6.1.2 Operation LED	16
6.1.3 GFDI Error	16
6.2 ECU_APP	16
6.3 Installer EMA (web portal or EMA Manager APP)	16
6.4 Trouble Shooting Guide	16
6.5 APsystems Technical Support	17
6.6 Maintenance	17
7. Replace a microinverter	18
8. Technical Data	19
9. QT2 - Wiring Diagram	20
9.1 Sample Wiring Diagram	20
10. APsystems Microinverter Installation Map	21































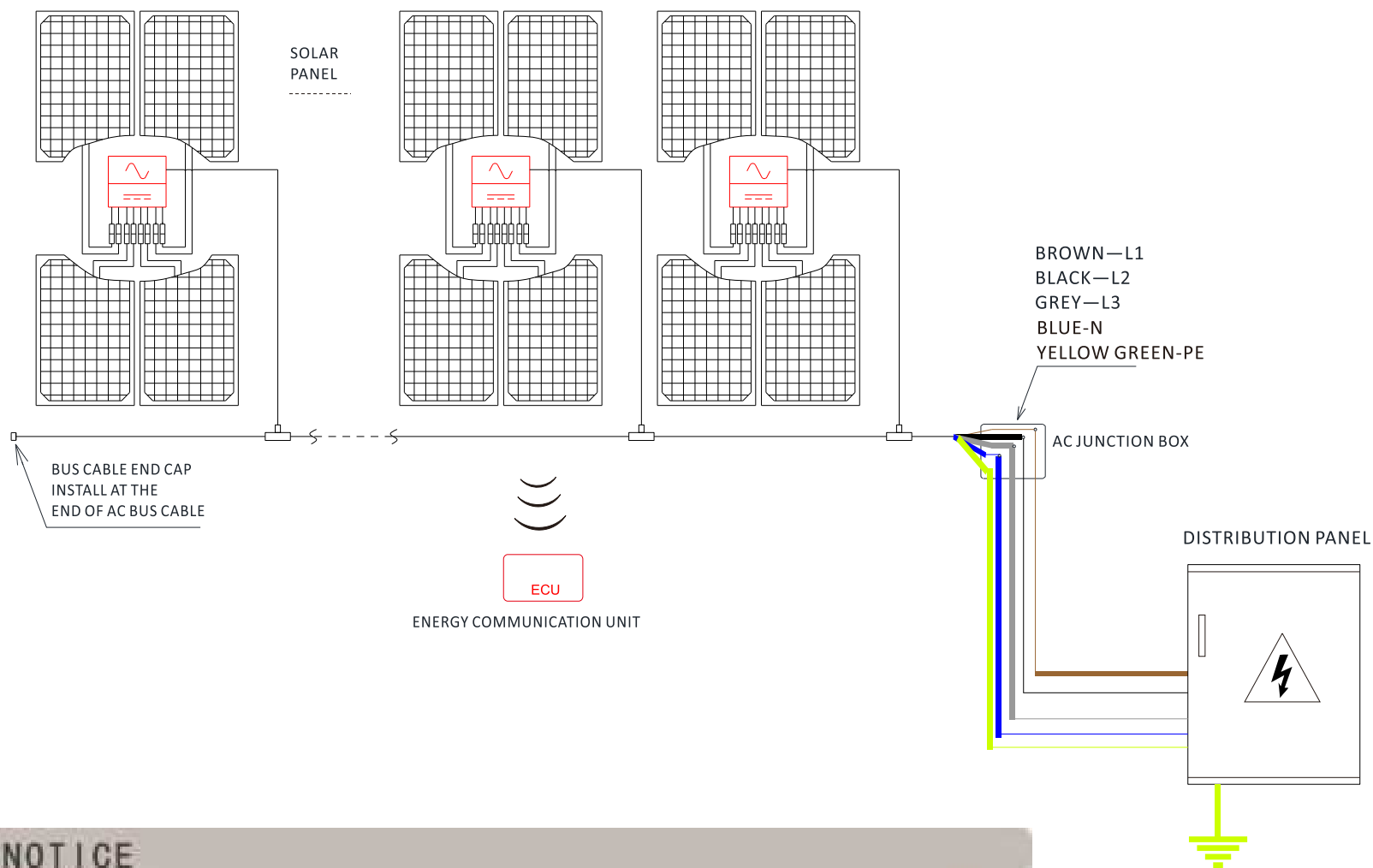






9. QT2 - Wiring Diagram

9.1 Sample Wiring Diagram



NOTICE

- The neutral wire is not mandatory to be connected to grid.
- Compatible with both Delta and Wye 3-phase grid.

Figure 14

10. APsystems Microinverter Installation Map

The APsystems Installation Map is a diagram of the physical location of each microinverter in your PV installation. Each APsystems microinverter has two serial number labels. Peel the one label and affix it to the respective location on the APsystems installation map.

Installation Map Template

Installer:		PV module type:		Qty:		Sheet ___ of ___	
Owner:		Microinverter type:		Qty:			
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Row 1							
Row 2							
Row 3							
Row 4							
Row 5							
Row 6							
Row 7							
Row 8							
Row 9							
Row 10							