



Grid Tied Micro Inverter MGi220 User Manual

Important Safety Instructions

SAVE THESE INSTRUCTIONS



The MGi220 grid tied micro inverter is intended for use in photovoltaic (PV) systems and must be installed by a qualified electrician. Incorrect installation may cause physical harm and/or damage interconnecting equipment. There are no serviceable parts inside the MGi220 device. Please return all goods damaged in shipping, do not attempt installation of damaged devices. This manual contains instructions for the proper installation of the MGi220 device. You can also refer to the Apparent website (www.Apparent.com) for additional information or contact the Apparent's customer service department at (415) 892-3182 or customer.service@Apparent.com with any questions.

When interconnected to photovoltaic systems, dangerous voltages may be present. Properly disconnect the system from the photovoltaic system before performing any maintenance activity. At all times, follow all local, state, and national electrical and building codes. Only install the MGi220 device after obtaining all building permits.

Use wire rated at 90° C or higher on the MGi220 output terminals. Follow all NEC or Canadian Electrical Code Part 1 (CEC) codes, ANSI/NFPA 70 and local building requirements for attaching and running all electrical wires.

Circuits to be connected to a DC circuit are identified by the marking below, indicating that the circuit shall be DC:



Circuits intended to be connected to an ac circuit shall be identified by the marking below, indicating that the circuit shall be ac at the following operating frequency Hz: Min 59.3, Nom 60, Max 60.5:



Connect the AC equipment-ground wire to the PE terminal labeled

on the MGi220 mounting bracket.



WARNING: Limitation On Use – The MGi220 should not be used in connection with life support systems or other medical equipment or devices. Without limiting the generality of the foregoing, Apparent makes no representations or warranties regarding the use of the MGi220 in connection with life support systems, or other medical equipment or devices.



WARNING: The AC output circuit shall not be bonded to the enclosure. The input and output circuits are isolated from the enclosure. The system grounding, required by CEC part 1, is the responsibility of the installer.



WARNING: This unit is not intended to be used with a battery.

Importantes consignes de sécurité

CONSERVEZ CES CONSIGNES



Le micro-onduleur rattaché au secteur MG220 est conçu pour être utilisé avec des systèmes photovoltaïques (PV) et doit être installé par un électricien agréé. Une installation incorrecte peut causer des dommages corporels et/ou endommager l'équipement associé. Il n'y a pas de pièces réparables à l'intérieur de l'appareil MG220. Veuillez re-expédier toutes pièces endommagées pendant le transport, s'il vous plaît. Ne tentez pas l'installation d'appareils endommagés. Ce mode-d'emploi contient des consignes pour l'installation appropriée de l'MG220. Vous pouvez également consulter le site de XET (www.apparent.com) pour des informations complémentaires ou contacter pour toutes vos questions le service à la clientèle de XET par téléphone au (415) 892-3182 ou par email à customer.service@apparent.com.

Quand ce produit est rattaché aux installations photo-voltaïques, des tensions dangereuses peuvent être présentes. Débranchez soigneusement l'appareil de l'installation photo-voltaïque avant d'effectuer quelque activité de maintenance. A tout moment suivez toutes les réglementations électriques locales, provinciales et nationales et les normes du bâtiment. N'installez l'appareil MG220 qu'après avoir obtenu tous les permis nécessaires.

N'utiliser que du fil pouvant résister à des températures de 90° C ou plus sur les bornes de sortie de l'MG220. Suivre toutes les normes CEC, ANSI/NFPA 70 et les règles de construction de votre localité concernant la fixation et l'installation de tous les fils électriques.

Les circuits devant être rattachés à un circuit DC sont identifiés par le symbole ci-dessous, indiquant que le circuit sera en courant continu:



Les circuits devant être rattachés à un circuit AC sont identifiés par le symbole ci-dessous, indiquant que le circuit sera en courant alternatif avec une fréquence de fonctionnement suivante Hz: Min 59.3, Nom 60, Max 60.5:



Connectez le fil de terre de l'équipement AC à la borne PE marqué ainsi



sur le support de fixation de l'MGi220.



AVERTISSEMENT: Restriction d'utilisation – L'MGi220 ne doit pas être utilisé dans le cadre de systèmes de survie ou d'autres équipements médicaux ou des dispositifs. Sans limiter la généralité de ce qui précède, XET ne fait aucune représentation ou garantie quant à l'utilisation de l'MGi220 dans le cadre de systèmes de survie, ou d'autres équipements médicaux ou des dispositifs..



AVERTISSEMENT: Le circuit alternatif de sortie ne doit pas être relié au boîtier. Les circuits d'entrée et de sortie sont isolés du boîtier. La mise à la terre du système, prescrite dans la première partie du CEC, est la responsabilité de l'installateur.



AVERTISSEMENT: Cet appareil n'est pas destiné à être utilisé avec une batterie.

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Product Description

The MGi220 is a DC to AC Utility Interactive Grid Tied Micro inverter designed for connection between a photovoltaic (PV) panel and an AC load and the utility grid. The MGi220 extracts the maximum power from the PV panel and converts it to AC power. The MGi220 continuously monitors power coming from the solar panel as well as the voltage at its output terminals, making internal adjustments as necessary to maintain optimum power output to the load and grid. The MGi220 can dynamically adjust the power factor of its AC output to meet the requirements of the load or grid. The output power factor of an MGi220 device can also be adjusted manually.

An Ethernet port on the MGi220 device allows a user to track real-time status of the device over the internet. The standard information relayed by the MGi220 device includes the input into the unit, the output of the unit, and the temperature of the unit.

Installation

The MGi220 device is designed to be part of a power generating system as shown in **Figure 1**. All solar panels will work with the MGi220 unit if the output power of the solar panel is between STC (standard test conditions) 100 to 240 watts, and the output voltage is between 18 to 42 volts DC. Specific wiring methods are required to ensure proper functioning of the MGi220 and for maximum power extraction. Refer to [this Manual](#) for installation instructions, or download instructions from Apparent's web site at www.Apparent.com.

READ ALL WARNINGS AND DISCLAIMERS. ALL INSTALLATIONS SHOULD ONLY BE PERFORMED BY QUALIFIED ELECTRICIANS. FOLLOW ALL LOCAL, STATE AND NATIONAL ELECTRICAL AND BUILDING CODES AND OBTAIN ALL REQUIRED PERMITS.

Working with the MGi220 Device

The MGi220 is designed for installation and electrical connection on a single 18V-42V DC Module. The MGi220 is designed for installation indoor or outdoor and has a rated NEMA6 rainproof wet location enclosure rating. The MGi220 is designed to operate with a 120V single-phase utility connection.

Installing the MGi220

Included in the installation pack:

AC interconnecting cable

AC-EC (AC End Cap)



WARNING: Disconnect all AC sources prior to any wiring.



WARNING: Exposure to sunlight may energize. To prevent the production of electric current while working on the installation, make sure all solar modules are covered with an opaque material before conducting any wiring connections.



AVERTISSEMENT: Déconnectez toutes sources de courant alternatif avant un branchement quelconque.



AVERTISSEMENT: L'exposition au soleil peut mettre l'appareillage sous tension. Pour empêcher la production de courant électrique pendant que vous travaillez sur l'installation, assurez-vous que tous les panneaux solaires sont bien recouverts d'un matériau opaque avant de procéder à quelque connexion électrique que ce soit.

Multi Unit Installation Procedure

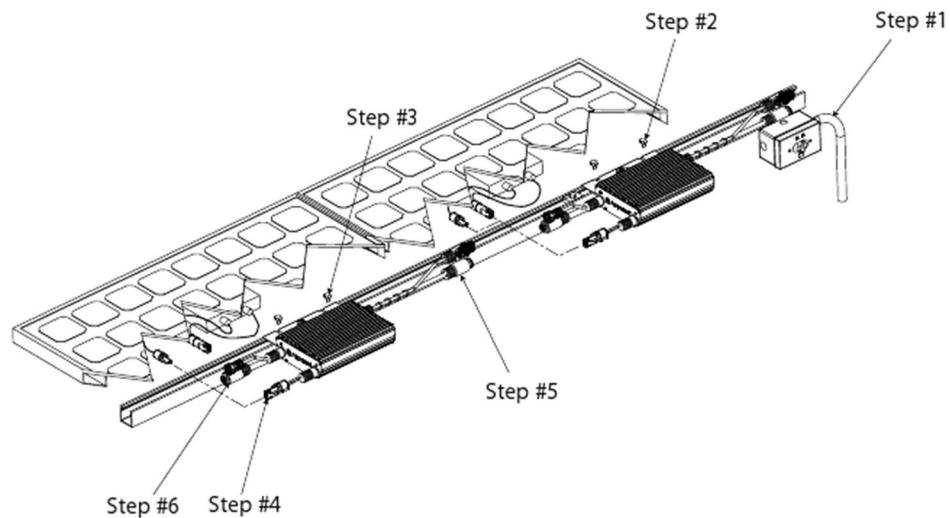


Figure 1. Multi Unit Installation

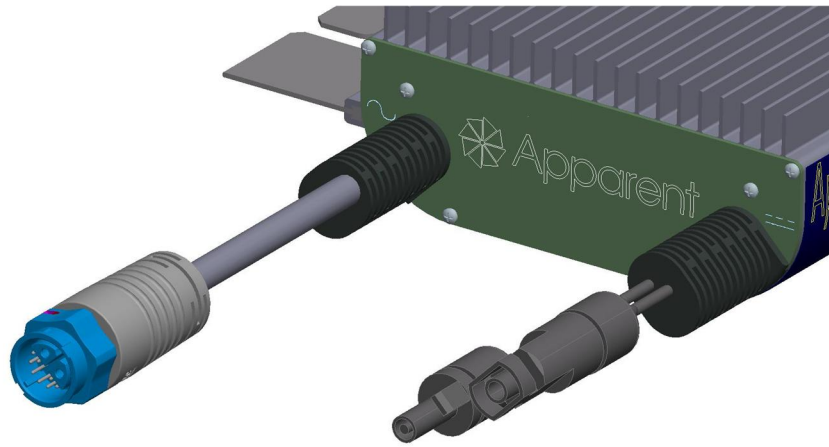


Figure 2. Expanded MGi220 Connector View

Step 1- Install the AC Junction Box

A - Mount the junction box in a location easily accessible located near the end of the PV array.

B - Optional: Install a wet location rated 20A AC disconnect, per NEC or CEC & local codes, in the junction box.

C - Route the ground through the junction box per NEC or CEC & local codes.

D – Install the JK6-MGi220 (6 ft. Jumper Kit) in the junction box with the AC connector oriented towards the first MGi220.

E – Skip step if installing the first string. Install the PE6-MGi220 (6 ft. Power Ethernet Connector) with connector side A oriented toward the previous string and side B oriented toward the next string.

F - Connect the JK6-MGi220 into the junction box. Connect the black wire the black AC line. Connect the white wire to the NEUTRAL.

NOTE: The JK6-MGi220 and PEC-MGi220 are not included with the MGi220 and must be ordered separately. The connectors also come in optional lengths of 12 (JK12-MGi220 & PE12-MGi220) and 24 (JK24-MGi220 & PE24-MGi220) foot lengths.

Step 2 - Mount the MGi220 to the rail

A – Place the MGi220 in center of each PV panel.

B – Each MGi220 should be oriented so that its AC interconnecting cable is facing the AC junction box.

C – Attach the MGi220 using rack vendor recommend hardware.

NOTE: The MGi220 accommodates 1/4" & 5/16" size hardware (bolts or screws)

Step 3 - Ground the System

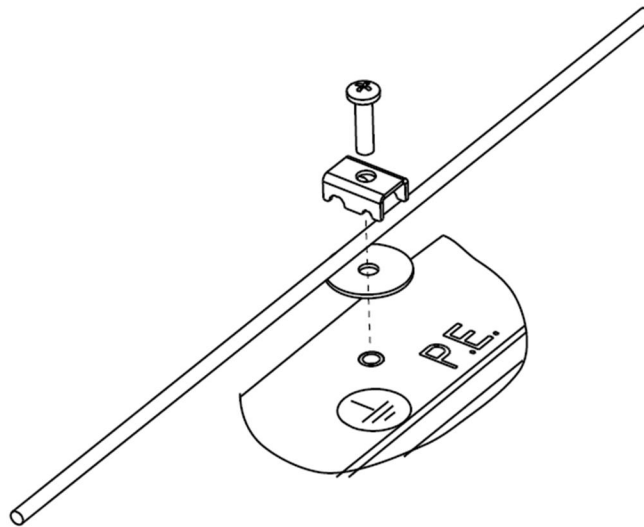


Figure 3. Ground Clip Installation

A – Attach the ground conductor with the grounding clip. Be sure to use a ground wire that meets NEC or CEC and local codes. The Apparent ground clip is designed to accommodate a #10 thru #4 awg ground conductor. The conductor must be compressed between the sst flat washer and the sst ground clip.


Step 4 – Connect the MGi220 to the PV panel

Each MGi220 comes with two solar DC connectors, one male and one female. The DC connectors can be identified by the following marking:

A – Connect the male DC connector of the MGi220 into the female connector of the PV panel.

B – Connect the female DC connector of the MGi220 into the male connector of the PV panel.

Step 5 – Connect the MGi220 to the AC junction box

Each MGi220 has an AC interconnecting cable and a female AC connector. The AC connector can be identified by the following markings: . If installing more than one string of MGi220s go back to step 1E.

A – Start with the last MGi220 and connect the AC interconnecting cable to the next MGi220's female AC connector. Repeat this step until the first MGi220 is reached.

B – Connect the first MGi220's AC interconnecting cable to the JK6-MGi220 from Step 1.

C - Cover the last MGi220 AC connector with the AC-EC (AC End Cap).



WARNING – Be sure that the number of MGi220s connected does not exceed the maximum number of MGi220s that can be interconnected per the device label in appendix A (pg. 22). Each circuit should be protected by a 20A AC circuit breaker.



AVERTISSEMENT: Assurez-vous que le nombre de MGi220s reliés ne dépasse pas le nombre maximum de MGi220s qui peuvent être reliés entre eux selon l'étiquette de l'instrument dans l'appendice A (p. 21). Chaque circuit doit être protégé par un disjoncteur alternatif de 20 ampères.

Step 6 – Connect the MGi220 to Communications

Each MGi220 is equipped with a dual ethernet port. A JK6-MGi220 is need to connect the MGi220 string to an ethernet switch or router.

A – Connect the ethernet cable portion, of the JK6-MGi220 installed in step 1, to the ethernet switch in the AIK (array internet kit) or ASK (array switch kit) enclosure. Reference the Apparent AIK/ASK Installation Manual.

NOTE: The JK6-MGi220 is not included with the MGi220 and must be ordered separately. The jumper kit also comes in optional lengths of 12 (JK12-MGi220) and 24 (JK24-MGi220) foot lengths.

Step 7 – Energize the Unit

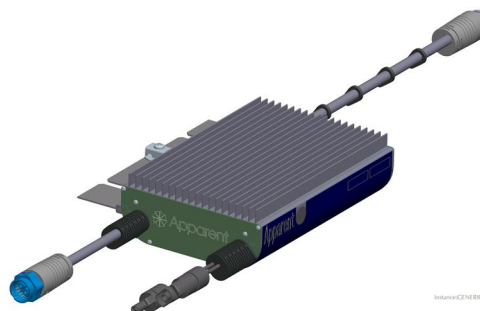
Once all connection have been made and verified the system may be energized to check functionality. Important: After verifying system functions turn off the system until inspections and approval from the city/county and utility provider have been obtained.

Specifications

Product Information Sheet Grid Tied Micro Inverter MGi220

General Information

Photovoltaic Power Extraction Micro-Inverter
NEMA 6 enclosure, easily rail mounted
Fifteen Year Limited Warranty



Qualifications and Certificates

UL 1741 : 1999 R11.05
CSA C22.2.107.1-01
Patent Technology by
Patent No. US 7,839,025 B2 and
additional Pending Patents

MGi220 - General Information	
Electrical Characteristics	
Power Source	Solar Voltaic Panel Only
Startup Time Initial Power On	300 Seconds
Overload Current Protection Circuit	Current Limiting
Power Extraction Method	Proprietary Power Transfer and Tracking
Efficiency	91%
PV Panel (input)	
Maximum PV Open Circuit Voltage	42VDC
Minimum PV Operational Voltage	18VDC
Minimum Solar Panel Wattage	100W
Maximum Solar Panel Wattage	240W
Reverse Polarity Protection	Yes
Rated Input Current	8A
Maximum Input Short Circuit Current	10A DC
Overcurrent Protection	Yes
AC (output)	
AC Output Voltage	108-132 VAC 60Hz
AC Output Rated Current	1.67A
AC Output Maximum Current	2.36A
AC Output Continuous Real Power	200 Watts
AC Output Continuous Apparent Power	283 VA
AC Output Power Factor Range	-.7 to +.7
AC Output Maximum Fault Current	6.3A
AC Overcurrent Protection	Yes

Physical Characteristics	
Solar Panel DC Input Connector	MC3, MC4 or Tyco Solarlok
Output Connector	3 pin IP67 connector
Wire Size	Minimum 12 Gauge
Dimensions	8.25" x 5.375" (7.75" w/bracket) x 2.30"
Weight	7.0 lbs. / 3.2 kg
Outdoor Use	Yes
Enclosure Rating	NEMA 6
Mounting	Indoor/Outdoor
Communication Interface	Ethernet
Environmental Characteristics	
Operating Temperature Minimum	-40° C
Operating Temperature Maximum	60° C
Tropicalization	Yes
Humidity	95% non condensing
Monitoring	
Input /Output Status	Energy REView

Warranty and Return Information

Limited Warranty – MicroGrid Inverter

This Limited Warranty is provided by Apparent and covers defects in workmanship and materials in your inverter equipment. Unless designated under an unbundled product warranty specification (e.g. unique OEM product), the warranty period for material defects and workmanship is fifteen years for inverter products from original date of purchase. This Limited Warranty is transferable to subsequent owners but any transfer or assignment does not extend the warranty period beyond fifteen years following the original date of purchase. To make a warranty claim you or a subsequent owner will need proof of purchase of your inverter device.

Apparent’s liability for any damage to or damage caused by use of an inverter device shall, in no event, exceed the actual cost paid for the device.

Apparent Obligations

Apparent, at its option, will repair or replace the defective inverter device free of charge, provided that Apparent receives notice of the product defect within fifteen years following the original purchase of the unit and that Apparent determines a defect that is covered by this Limited Warranty exists.

Apparent, at its option, will use new and/or reconditioned parts in performing warranty repair and building replacement products. Apparent reserves the right to use parts or products of original or improved design in the repair or replacement. Any repair or replacement of an inverter device will not extend the warranty period beyond fifteen years following the original date of purchase or ninety days following the date the repaired device is returned to you, whichever is longer. All replaced products and all parts removed from repaired products become the property of Apparent.

This Limited Warranty covers both parts and labor necessary to repair the inverter device. Please contact Apparent’s customer service department for details on the company’s policy regarding return shipping.

Customer Service

If an inverter device requires troubleshooting or warranty service, first contact your merchant. If you are unable to contact your merchant, or the merchant is unable to provide service, contact Apparent directly at:

Contact Method	Contact Information
Facsimile	415.895.5974
e-mail	support@Apparent.com

Table 1: Apparent Contact Methods

Direct returns may be performed according to the Apparent Return Material Authorization (RMA) policy described in your product manual or access the Apparent website (www.Apparent.com) for additional information.

What proof of purchase is required?

In any warranty claim, dated proof of purchase must accompany the product and the product must not have been disassembled or modified without prior written authorization by Apparent. Proof of purchase may include:

- ◆ The dated purchase receipt from the original purchase of the product at point of sale to the end user;
- ◆ The dated dealer invoice or purchase receipt showing original equipment manufacturer (OEM) status; or
- ◆ The dated invoice or purchase receipt showing the product exchanged under warranty.

What does this warranty not cover?

This Limited Warranty does not cover normal wear and tear of the Apparent device or costs related to the removal, installation, or troubleshooting of the customer's electrical systems or a level of performance of your system. This warranty does not apply to, and Apparent will not be responsible for, any defect in or damage to the Apparent unit if:

1. the unit has been misused, neglected, improperly installed, physically damaged or altered, either internally or externally, or damaged from improper use or use in an unsuitable environment.
2. the unit has been subjected to fire, water, generalized corrosion, biological infestations, or input voltage that creates operating conditions beyond the maximum or minimum limits listed in the inverter product specifications including high input voltage from batteries, generators, or lightning strikes.
3. if anyone other than inverter or its authorized representative has attempted to perform repairs.
4. the unit is used as a component part of a product expressly warranted by another manufacturer.
5. the unit's original identification (trade-mark, serial number) markings have been defaced, altered, or removed.

Disclaimer

THIS LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED BY APPARENT IN CONNECTION WITH YOUR INVERTER DEVICE AND IS, WHERE PERMITTED BY LAW, APPLICABLE IN LIEU OF ALL OTHER WARRANTIES, CONDITIONS, GUARANTEES, REPRESENTATIONS, OBLIGATIONS AND LIABILITIES,

EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE IN CONNECTION WITH THE PRODUCT, HOW EVER ARISING (WHETHER BY CONTRACT, TORT, NEGLIGENCE, PRINCIPLES OF MANUFACTURER'S LIABILITY, OPERATION OF LAW, CONDUCT, STATEMENT OR OTHERWISE), INCLUDING WITHOUT RESTRICTION ANY IMPLIED WARRANTY OR CONDITION OF QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE TO THE EXTENT REQUIRED UNDER APPLICABLE LAW TO APPLY TO THE PRODUCT SHALL BE LIMITED IN DURATION TO THE PERIOD STIPULATED UNDER THIS LIMITED WARRANTY.

IN NO EVENT WILL APPARENT BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSSES, COSTS OR EXPENSES HOWEVER ARISING WHETHER IN CONTRACT OR TORT INCLUDING WITHOUT RESTRICTION ANY ECONOMIC LOSSES OF ANY KIND, ANY LOSS OR DAMAGE TO PROPERTY, ANY PERSONAL INJURY, ANY DAMAGE OR INJURY ARISING FROM OR AS A RESULT OF MISUSE OR ABUSE, OR THE INCORRECT INSTALLATION, INTEGRATION OR OPERATION OF THE PRODUCT. APPARENT'S LIABILITY FOR ANY DAMAGE TO OR CAUSED BY THE INVERTER UNIT IS LIMITED TO THE ACTUAL COST PAID FOR THE UNIT.

Exclusions

If the inverter unit is determined to be a consumer product, federal law does not allow an exclusion of implied warranties. To the extent you are entitled to implied warranties under federal law, to the extent permitted by applicable law, implied warranties are limited to the duration of this Limited Warranty. Some states and provinces do not allow limitations or exclusions on implied warranties or on the duration of an implied warranty or on the limitation or exclusion of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you. This Limited Warranty gives you specific legal rights. You may have other rights which may vary from state to state or province to province.

Limitations on Use

Please refer to your product manual for limitations on uses of the product. SPECIFICALLY, PLEASE NOTE THAT THE INVERTER SHOULD NOT BE USED IN CONNECTION WITH LIFE SUPPORT SYSTEMS OR OTHER MEDICAL EQUIPMENT OR DEVICES. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, APPARENT MAKES NO REPRESENTATIONS OR WARRANTIES REGARDING THE USE OF THE INVERTER IN CONNECTION WITH LIFE SUPPORT SYSTEMS OR OTHER MEDICAL EQUIPMENT OR DEVICES.

Return Material Authorization Policy

Before returning a product directly to Apparent you must obtain an RMA number and the correct factory "Ship To" address by using our website (www.Apparent.com) or contacting Apparent's customer support department at (415) 892-3182. Devices must be shipped prepaid. Shipments

of any device that are not shipped pre-paid or shipped without an RMA number clearly marked on the outside of the shipping box, will be refused and returned to the sender.

When you contact Apparent by e-mail or facsimile to obtain service, please follow the RMA procedures and be prepared to supply:

- ◆ The serial number of your device
- ◆ Information about the installation and use of the device
- ◆ Information about the failure and/or reason for the return
- ◆ A copy of your dated proof of purchase

Return Procedure

1. Package the device safely, using the original box and packing materials or equivalent packing, and preferably fully insured. This warranty will not apply where the inverter device is damaged in return shipping due to improper packaging.
2. Include the following:
 - ◆ The RMA number supplied by Apparent clearly marked on the outside of the box.
 - ◆ A return address where the unit can be shipped. Post office boxes are not acceptable.
 - ◆ A contact telephone number where you can be reached during work hours.
 - ◆ A brief description of the problem.
3. Ship the device prepaid to the address provided by your Apparent customer service representative.

If you are returning a product from outside the contiguous USA or Canada in addition to the above, you must include return freight funds and are fully responsible for all documents, duties, tariffs, and deposits.





Out of Warranty Service

If the warranty period for your inverter has expired, if the unit was damaged by misuse or incorrect installation, if other conditions of the warranty have not been met, or if no dated proof of purchase is available, your product may be serviced or replaced for a fee.

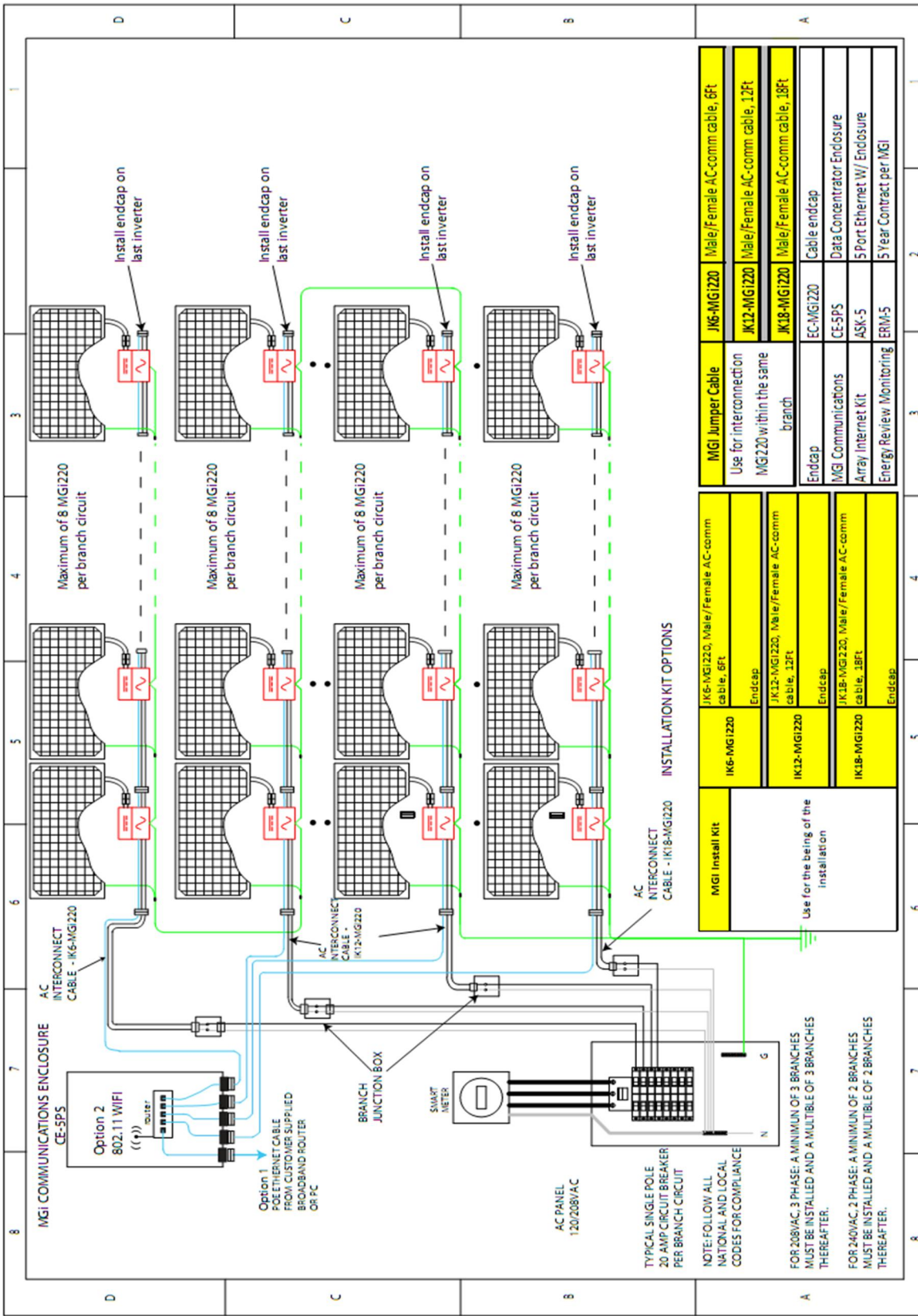
To return your inverter for out of warranty service, contact Apparent customer service department for an RMA number and follow the other steps outlined in “Return Procedure” on the Company’s website www.Apparent.com.

Payment options will be explained by the Customer Service Representative. In cases where the flat fee does not apply, as with incomplete units or units with excessive damage, an additional fee will be charged. If applicable, you will be contacted by a Customer Service Representative once your unit has been received. A deposit for out of warranty service may be required.

Appendix A: Label

 <p>Apparent™ www.Apparent.com Novato, Ca Model: MGi220-MC4 UTILITY INTERACTIVE INVERTER</p> <table border="1" data-bbox="256 443 453 520"> <tr><td>S/N</td></tr> <tr><td>MAC</td></tr> </table>	S/N	MAC	 <p>ULSTED UL174-1</p>	<p>WARNING: </p> <p>Maximum units per branch circuit: 10 Maximum continuous AC output power: 180 WATTS Maximum continuous AC output current: 1.5A Output power factor: 99 MIN Operating frequency: MIN-NOM-MAX 59.5 60 60.5 AC output: MIN-NOM-MAX 108 120 132 MPPT range: 18VDC TO 42 VDC Maximum input current: 8A Maximum short circuit current: 10A Maximum ambient temperature: 60° C 20A Maximum branch circuit Warning label cover removed Rational cover rating NEMA 6 Connect to a dedicated branch circuit</p>	<p>Risk of electric shock. Both AC and DC sources are terminated inside this equipment. Refer servicing to qualified personnel only. Hot surfaces to reduce risk of burns do not touch. Light exposure will cause photovoltaic array to supply DC voltage to this unit. Each circuit must be individually disconnected before servicing. The unit must be used with an external GFDI device as required by NEC article 690.</p> <p>AVERTISSEMENT </p> <p>Maximum unité par circuit de dérivation: 10 Max de sortie CA continue: 180 watts Continu max sortie de courant CA: 1.5A Facteur de puissance de sortie: 99 min Fréquence de fonctionnement: Min-Nom-Max 59.5 60 60.5 Sortie CA- Min-Nom-Max 108 120 132</p>	<p>Gamme de MPPT: 18VDC à 42 VDC Maximum courant d'entrée: 8A Maximum courant de court-circuit: 10A Température ambiante maximale: 60° C Cet appareil doit être utilisé avec GFDI externe spécifiée dans l'article 690 NEC. Maximum circuit de dérivation: 20A La garantie est annulée si la couverture est enlevée. Imperméable évaluation: NEMA 6 Se connecter au circuit de dérivation dédié. Risque de choc électrique. Les deux sources de tension CA et CC terminer dans cet équipement. Retournez-vous à un personnel qualifié à l'aire service. Surfaces chaudes. Pour réduire le risque de brûlures, ne pas toucher. Exposition à la lumière des causes des panneaux solaires pour produire l'électricité CC à l'appareil. Chaque circuit doit être coupée avant que l'intretien service.</p>
S/N						
MAC						

Appendix B: Sample Diagram



Appendix C: MGi220 Installation Layout

- Please fill out the form and apply serial number from MGi220 and fax to Apparent after installation 415-895-5974

Apparent Installation Sheet							
Installer:	Module Mfg.:						
Installation Site Address:	Module Model:						
	1	2	3	4	5	6	7
A							
B							
C							
D							
E							
F							
G							
H							
I							
J							
K							
L							
Instruction:	Complete form and attached serial number labels from MGi units to above grid. Fax completed form to Apparent Inc. at Fax: 415-895-5974						

Page 1



www.apparent.com

Contact Information:

Corporate Headquarters

Apparent Inc.
7428 Redwood Blvd.
Suite 102
Novato, CA 94945

Telephone: 415.892.3182

Web: www.apparent.com