GE Genius I-O Series Service Manual

IC660BPM500

1. Description

IC660BPM500 is a 4 lb. Genius I/O Handheld Monitor Battery Pack for use with handheld monitor (HHM) model IC660HHM501. A battery pack should always be installed to operate the HHM, even if AC power is being used. IC660BPM500 provides up to six hours of operation when fully charged. To maximize lifespan, the battery should be allowed to discharge fully between charges and/or at least once a month. If battery power is too low, a “LOW BATTERY, HHM HALTED, Please recharge” message may appear. The di

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660BPM500**
Product	**Type Battery pack**
Compatibility	**Hand-held monitor (IC660HHM501)**
Available	**Versions IC660BPM500A and IC660BPM500B**
Operating	**Temperature 32 to 140 degrees Fahrenheit**
Storage	**Temperature -40 to 185 degrees Fahrenheit**
Minimum	**Charging Time 20 MinutesDescription**
The	**GE Fanuc IC660BPM500 battery pack is a battery pack for the GE Fanuc hand-held monitor (HHM) with the catalog number IC660HHM501. The IC660BPM500 battery pack is part of the shipment which contains the host hand-held monitor. The shipment also includes a battery charger (catalog number IC660BCM501) and a cable to connect the HHM to an I/O block (catalog number IC660HHC005). The IC660BPM500 battery pack is available in 2 versions: the IC660BPM500A version which has an 8-hour charge time, and the IC660BPM500B version which has a 16-hour charge time. The battery pack must always be installed in the HHM even when the HHM is using AC power. If the IC660BPM500 battery pa**

3. Product Information

IC660BPM500 is a 4 lb. Genius I/O Handheld Monitor Battery Pack for use with handheld monitor (HHM) model IC660HHM501. A battery pack should always be installed to operate the HHM, even if AC power is being used. IC660BPM500 provides up to six hours of operation when fully charged. To maximize lifespan, the battery should be allowed to discharge fully between charges and/or at least once a month. If battery power is too low, a “LOW BATTERY, HHM HALTED, Please recharge” message may appear. The display may also simply remain blank, or two lines may briefly appear. Current operation could be suspended if power is too low.

Upon delivery, the battery pack will not be charged. Before powering a HHM for the first time, the batter pack will need to charge via the adapter for 24 hours. Subsequent recharging time is only 16 hours. It is recommended to have a spare battery pack, so the user can alternate packs while charging. If a batter pack will not charge, it is likely a faulty pack, not the HHM.

When utilizing AC power to operate the HHM, the battery pack must charge for at least 20 minutes (if it is new or fully discharged). Temporary operation may be necessary before charging is complete and will require the user to plug the adapter cable into the HHM, wait 15 seconds, and then power up the HHM. The battery pack might also require removal and reinstallation for proper performance. The IC660BPM500 battery pack may begin to deteriorate if the user continually uses the HHM in AC mode for extended periods. After two years of AC operation, the battery pack may resist charge resulting in the inability to work independently. The GE Fanuc IC660BPM500 battery pack is a battery pack for Genius I-O devices. The IC660BPM500 battery pack is compatible with the GE handheld monitors. Technical specifications for IC660BPM500

Brand GE Fanuc

Series Genius I-O

Part Number IC660BPM500

Product Type Battery pack

Compatibility Hand-held monitor (IC660HHM501)

Available Versions IC660BPM500A and IC660BPM500B

Operating Temperature 32 to 140 degrees Fahrenheit

Storage Temperature -40 to 185 degrees Fahrenheit

Minimum Charging Time 20 MinutesDescription

The GE Fanuc IC660BPM500 battery pack is a battery pack for the GE Fanuc hand-held monitor (HHM) with the catalog number IC660HHM501. The IC660BPM500 battery pack is part of the shipment which contains the host hand-held monitor. The shipment also includes a battery charger (catalog number IC660BCM501) and a cable to connect the HHM to an I/O block (catalog number IC660HHC005). The IC660BPM500 battery pack is available in 2 versions: the IC660BPM500A version which has an 8-hour charge time, and the IC660BPM500B version which has a 16-hour charge time. The battery pack must always be installed in the HHM even when the HHM is using AC power. If the IC660BPM500 battery pack is fully discharged or if it is new, then it must be charged for a minimum of 20 minutes before the HHM can be operated. The HHM is an operator interface device designed for the setup and monitoring of Genius I/O and communication systems.

Features of the HHM that uses the IC660BPM500 battery pack include an LCD screen, support for multiple languages, a 20-key keypad, a keyswitch for restricting operator access, and power options including the battery pack or 115 to 230 Volts AC power. The HHM can be used for the display of I/O data from devices connected to the bus, diagnostics, memory data from CPUs connected to the bus, the bus scan time, and Global Data addresses. The HHM can be used to perform fault clearing, device configuration, forcing of I/O circuits, and dual-bus selection. A feature of the HHM which greatly simplifies the system is the ability to force analog and discrete I/O. The operating temperature range of the IC660BPM500 battery pack is from 32 to 140 degrees Fahrenheit. The recommended temperature range for storage and transportation is -40 to 158 degrees Fahrenheit.