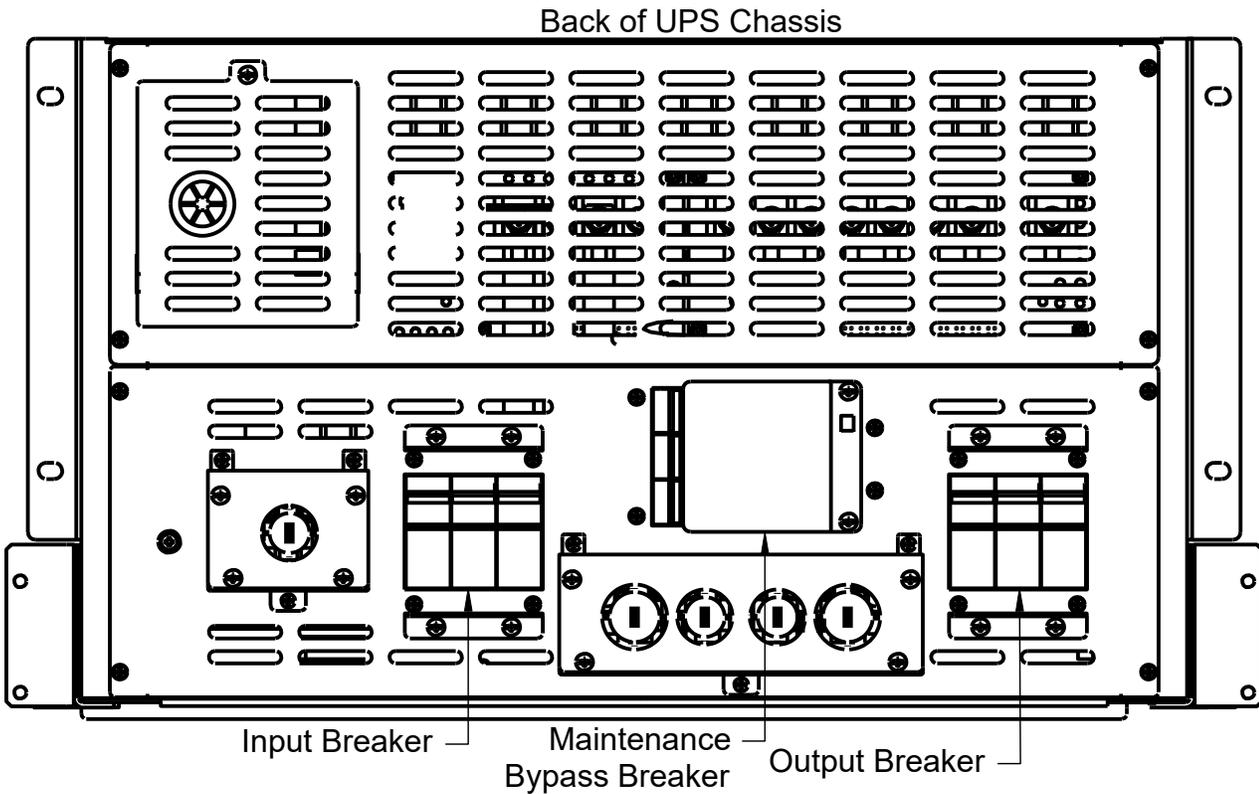


M90C Operation Guide

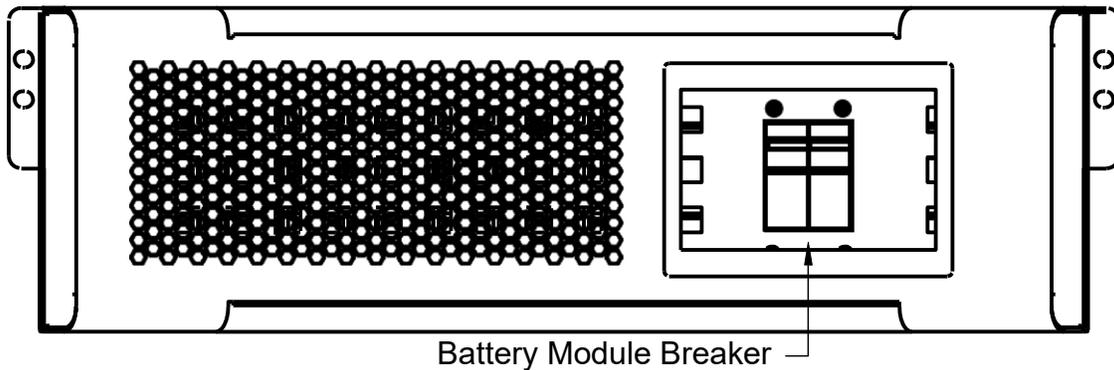
Quick Start guide

M90C Operation Guide

Refer to User Manual for additional details for each procedure including screen shots. Refer to User Manual's Installation Section for installation detail prior to initial start-up.



Front View of Battery Module



Note: Remove cover to access battery module breaker.

AC Startup

Ensure to follow this procedure when turning on the UPS from a fully powered-down condition.

The operating procedures are as follows:

Step 1: Refer to the "Installation Section" to connect the power cables and install the Power Module and the battery required for the UPS system.

Step 2: Switch ON the battery breaker on the battery modules and on the External Battery Pack if installed.

Step 3: Switch ON the external input power switch to power the UPS.

Step 4: Switch ON the input breaker. The UPS will enter Standby Mode, if the setting of Bypass mode is dis-abled (default). Or the UPS will enter Bypass Mode, if the setting of Bypass mode is enabled.

Step 5: Make sure there is no warning or fault event happening. If there is, please refer to Chapter 6 Troubleshooting to solve it.

Step 6: Press Power ON/Enter button for two seconds to enter Line mode.

After being turned on, UPS will do self-test and start Inverter up. UPS will be transferred to Line mode when power module is ready.

Step 7: Switch ON the output breaker. AC startup procedure is complete.

Turn off Operation

If the UPS is operating in Standby Mode or Bypass Mode start with Step 2.

Step 1: Press “Power OFF/ESC” button or use the Menu-Control-System Turn Off to turn off the UPS. After turning off, the UPS will transfer to Standby Mode or Bypass Mode depending on the “Bypass Mode” Setting.

Step 2: Switch OFF the battery breaker on the battery modules and on the External Battery Pack if installed.

Step 3: Switch OFF the AC input breaker.

Internal Maintenance Bypass Switch Operation

Transfer to Maintenance Bypass

Step 1: Remove the MBS small metal cover with 2 screws:

Step 2: Make sure the UPS is operating in static Bypass mode.

Step 3: Switch ON the Maintenance Bypass Breaker.

Step 4: If turning the UPS completely off, follow turn off instructions above.

Transfer from Maintenance Bypass

Step 1: After the maintenance is completed, make sure all Modules have been installed properly.

Step 2: Please enter LCD SETUP MENU then choose "SYSTEM" to ensure that the "Static Bypass mode" is enabled. If the "Static Bypass mode" is disabled, you have to enable it. Then, exit the SETUP menu and follow step 2-5 of AC Start-UP procedure above to bring the UPS into static bypass mode.

Step3: Turn on AC output breaker.

Step 4: Switch OFF the Maintenance Bypass Breaker.

Step 5: Re-insert the 2 screws on the MBS breaker cover.

Step 6: Turn on the UPS inverter

Press Power ON/Enter button for two seconds to enter Line mode.

After being turned on, UPS will do self-test and start Inverter up. UPS will be transferred to Line mode when power module is ready.