Platinum Series
Quick Start Guide

The Power of Reliability

WARNING

Risk of serious personal injury or damage to equipment and property. Always observe the following:

- Installation must be done by qualified technicians.
- Input voltages can range up to 240 volts AC. All upstream AC, load and battery breakers must be shut OFF prior to installation. The system must be completely de-energized.
- Operate the supply from a grounded 3-wire 120-volt AC or 230/240-volt AC source (50 or 60 Hz) with a branch circuit breaker rated 20 amps or less.
- Install chassis ground to the unit before connecting AC input.
- Do not tie either of the unit main outputs to the "+ BAT" terminal, as this may short-circuit the battery or bypass the internal LVD circuitry.
- Do not connect any battery to the "+ BAT" terminal when more than one power supply is connected in parallel.
- Battery current through the "+ BAT" terminal and internal LVD relay must not exceed the maximum current limit rating of the power supply. Use a suitably rated overcurrent protection device and disconnect in line with the "+ BAT" terminal and external battery positive.
- If a lithium-ion battery is used, it must have an integrated battery management system (BMS) to protect the battery cells from inappropriate voltage or current levels.
- Always consult with and observe all battery manufacturer recommendations.

CAUTION

Risk of personal injury or damage to equipment and property. Always observe the following:

- Do not connect power supplies of different output voltage ratings in parallel as this may damage the units or the connected loads.
- DC-AC inverters should not be connected to the outputs without a battery connected to the power supply.

NOTICE

Risk of damage to equipment, environmental hazards, loss of data and other undesirable consequences. Always observe the following:

- Third-party surge protection devices must be utilized to protect AC input power feeds, every exposed DC power conductor and exposed data cables. These protection devices must be installed at both ends of the exposed conductor, in close proximity to installed equipment.

1 UNPACK AND INSPECT

- Power supply
- One nut on the ground stud (installed)
- Two rack-mounting ears (installed)
- Bag containing the following:
  - DC output bus bar cover
  - Instruction manual (USB drive)
  - One 3-pin AC input wire clamp connector plug
  - One 7-pin REMOTE connector plug
  - Two 1/4-inch bolt/washer/nut sets for the DC output bus bar connection
  - One 1/4-inch bolt/washer/nut set for the BAT bus bar connection (if SBC model)
  - Two 6-3 x 1/4-inch screws for installing the bus bar cover

NOTE: In case of shipping damage, your freight carrier should be notified immediately.

2 PREPARE THE TOOLS AND PARTS NEEDED

- Two 7/16-inch wrenches for the output connection
- Wire stripper
- Four #10-32 Phillips screws to connect the rack ears to rack
- #1 Phillips screwdriver for the connections of rack ears, output bus bar cover, and AC input connector
- 3/32-inch flathead screwdriver for the connection of AC input wires, and REMOTE wires

SCAN ME

Scan the QR code to download the Instruction Manual.

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3 MOUNT THE UNIT INTO A 19-INCH RACK (Support the rear of the unit if necessary)

Ensure that Power Switch is off before installation.

NOTE: For parallel power supply installation, refer to Section 2.16 of the Instruction Manual.

4 CONNECT THE CHASSIS GROUND

Connect the chassis ground according to the site design, and in accordance with the local electrical code standards. Use a ground bonding wire that is rated to handle the maximum current rating of the unit.

5 CONNECT USER SUPPLIED SURGE PROTECTION DEVICE(S)

Third-party surge protection device(s) must be utilized to protect AC input power feeds, every exposed DC power conductor and exposed data cables. These protection devices must be installed at both ends of the exposed conductor, in close proximity to installed equipment. Periodically inspect these surge protection devices for proper function.

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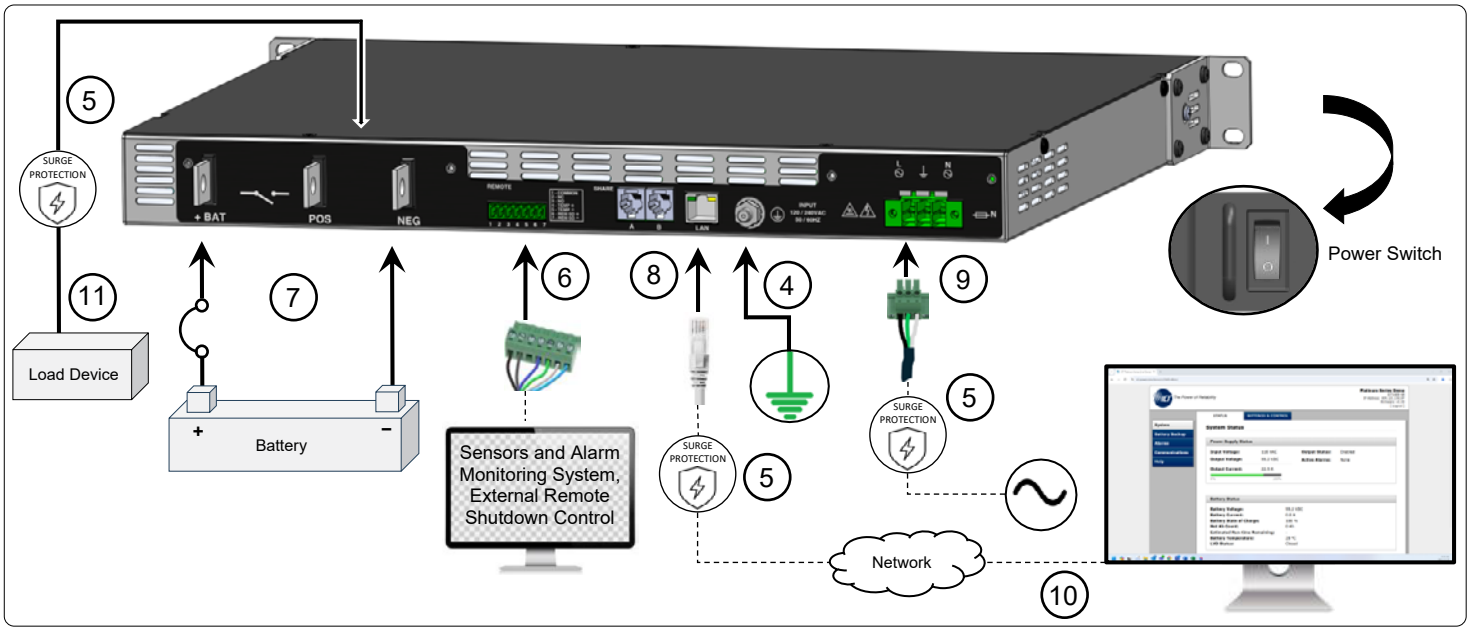

6 CONNECT THE SENSORS, ALARMS, AND EXTERNAL REMOTE SHUTDOWN CONTROL IF NEEDED

a. Install the 7-pin connector to the REMOTE terminal.
b. Connect an external monitoring device to pins 1 (common) and either 2 (NC) or 3 (NO), if needed, using 16–24 AWG wires.
c. Connect the optional external Battery Temperature Sensor (ICT-TMP) to pins 4 and 5 using 16–24 AWG wires.
d. Connect an external Remote Shutdown control to pins 6 and 7 using 16–24 AWG wires.

7 CONNECT THE BATTERY (IF APPLICABLE)

Make connections to the battery using wire and connectors appropriately rated for the maximum unit current. Connect the battery positive lead to the "+ BAT" terminal, and the battery negative lead to the "NEG" terminal. Install an appropriate in-line DC overcurrent protection device on the battery positive lead. Leave the battery breaker open until the software has been configured.

8 CONNECT THE NETWORK CABLE

Connect a 10/100 Base-T Ethernet cable to the RJ45 LAN port.

9 CONNECT AND ENERGIZE THE AC POWER SOURCE

a. Create an AC power cable using a 3-conductor cord rated for the maximum input current of the unit by stripping and terminating the three wires in the Line, Neutral, and Ground terminals of the removable AC input connector.
b. De-energize the AC source by switching off its circuit breaker.
c. Plug the AC connector into the AC input on the unit rear panel and tighten the captive retaining screws.
d. Wire the source end of the cord to the de-energized AC supply equipped with a branch rated circuit breaker of 20 amps or less.
e. Energize the AC feed.
f. Turn ON the front panel Power Switch.

10 CONFIGURE THE ICT SOFTWARE SETTINGS

Connect to the unit via Ethernet using any standard web browser on a network connected computer or phone. The default IP address is **192.168.0.180** and the default log in username is **admin** and no password required initially.

The front display panel screen and four interface buttons on the front panel can also be used to configure the settings.

11 DE-ENERGIZE THE POWER SUPPLY AND CONNECT THE LOADS

a. Turn OFF the front panel Power Switch before making or changing any connections.
b. Make connections to the load using wire and connectors appropriately rated for the maximum load current. Connect the load positive lead to the "POS" terminal, and the load negative lead to the "NEG" terminal.

12 VERIFY THE SYSTEM WIRING

a. Check that all connections to the unit are correct and properly tightened.
b. Install the protective bus bar cover using the screws provided.

13 ENERGIZE THE LOADS AND THE BATTERY CONNECTIONS

a. Turn ON the front panel Power Switch to energize the loads.
b. Close the backup battery breaker to connect the backup battery string(s) to the system.

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