1. Overview

Thank you for purchasing PLANET 75-watt DC power supply for GPL-8000.

Power Supply Unit	Input Range
GPL-PWR75-DC	-36 to -72V DC

Open the box of the Redundant Power Supply unit and carefully unpack it. The box should contain the following items:

■ The DC Power Supply unit x 1

■ User's Manual x 1

If any item is found missing or damaged, please contact your local reseller for replacement.

2. Introduction

Before installation, please be sure to read this user's manual carefully to complete the correct installation of GPL-PWR75-DC Power Supply Unit. This manual shows how to quickly install the power in the GPL-8000.

The following figure shows the front panel of the GPL-PWR75-DC.

Figure 2-1 GPL-PWR75-DC Front View

3. Installing Redundant Power Supply Unit

Note	The GPL-PWR75-DC is hot-swappable, so there is no need to power off the GPON OLT before installing or removing the power supply unit.

Follow these steps to install the redundant power in the GPON OLT:

1. Place the GPON OLT on a flat surface. Use a screwdriver to unscrew screws on both sides of the blank plate to remove the blank plate. Do not discard the blank plate as it can be used again when removing the power supply unit from the GPON OLT.
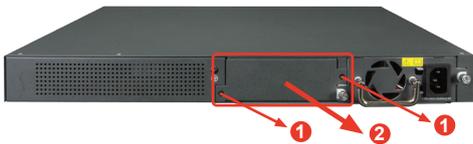

Figure 3-1 Removing the Blank Plate

2. Install the redundant power by sliding the power supply unit into the compartment.

Figure 3-2 Sliding the Power Supply Unit into the Compartment

3. Next, tighten the thumbscrews on both sides.

Figure 3-3 Tightening the GPL-PWR75-DC

Caution	Please make sure that the power source must be turned off before plugging in the power supply to avoid device damage.

75-watt DC Power Supply for GPL-8000

▶ **GPL-PWR75-DC**

Warning:
This device is compliant with Class A of CISPR 32.
In a residential environment this device may cause radio interference.

CE ♻ EAC

Energy Saving Note of the Device
This power required device does not support Standby mode operation. For energy savings, please remove the DC plug or slide the hardware-based Power Switch to the OFF position to disconnect the device from the power circuit. Without removing the DC plug from or switching off the device, the device will still consume power from the power source. In view of Saving the Energy and reducing the unnecessary power consumption, it is strongly suggested to power off or to remove the DC plug from the device if this device is not intended to be active.

4. Wiring the DC Power Input

The 3-pin terminal block connector on the redundant power uses DC power input. Please follow the steps below to insert the power wire.

Note	1. Before connecting the DC power wires, please check whether your local DC power source is stable. 2. The wire gauge for the power cable should be in the range of 12 ~ 24 AWG. 3. The DC power input range is -36 ~ -72V DC.

1. Insert the positive DC power wire into the **positive(+)** contact (left pin) and tighten the wire-clamp for preventing the DC power wire from loosening.

2. Insert the negative DC power wire into the **negative(-)** contact (middle pin) and tighten the wire-clamp for preventing the DC power wire from loosening.

3. Insert the grounding power wire into the **grounding(G)** contact (right pin) and tighten the wire-clamp for preventing the power wire from loosening.
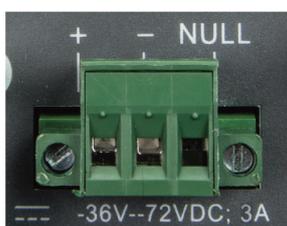

Figure 4-1 Power Pin Design of GPL-PWR75-DC

5. Removing Redundant Power Supply Unit

Follow these steps to remove the redundant power from the GPON OLT:

1. Remove all DC power wires from the terminal block of the GPL-PWR75-DC.

2. To remove the redundant power from the GPL-8000, loosen the thumbscrews on both sides and pull it out.
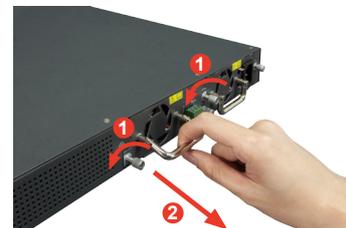

Figure 5-1 Removing the GPL-PWR75-DC