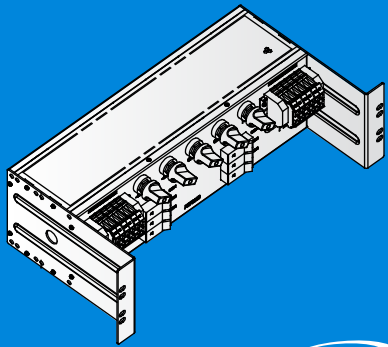


PDP260B User Guide

This manual is a quick and easy guide to the PDP260B. It includes the PDP introduction, installation procedures and cable connection & layout.

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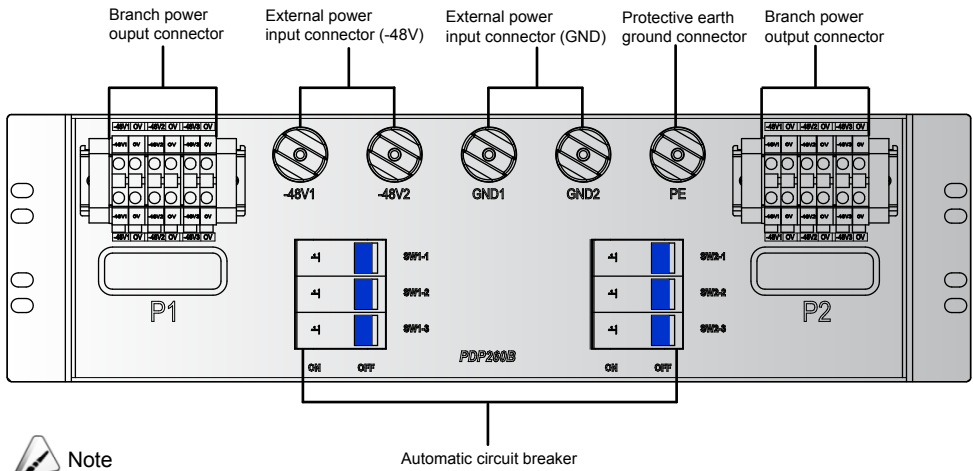


PDP Introduction

The PDP260B is a type of PDP (Power Distribution Panel) offered by FiberHome. See the table below for its relevant performance parameters.

Item		Specification	
Input features	Input power range	-38V to -60V	
	Input mode	2-branch input	
	Input current	Maximum input current of 60A for each branch	
Output features	Output power range	-38V to -60V	
	Output mode	6-branch output	
	Output current	Maximum output current of 32A for each branch	
EMC	EMI	Radiated Emission (RE)	EN55022 Class B standard compliant
		Conducted Emission (CE)	EN55022 Class B standard compliant
	EMS	ESD	IEC61000-4-2 standard compliant
		Radiated Susceptibility (RS)	IEC61000-4-3 standard compliant
		Electrical Fast Transient (EFT)	IEC61000-4-4 standard compliant
		Conducted Susceptibility (CS)	IEC61000-4-6 standard compliant
		DIP	IEC61000-4-29 standard compliant
		Safety standard	
Environment	Operational temperature	-10℃ to 55℃	
	Storage temperature	-40℃ to 70℃	
	Relative humidity	≤95%	
	Atmospheric pressure	70kPa to 106kPa	

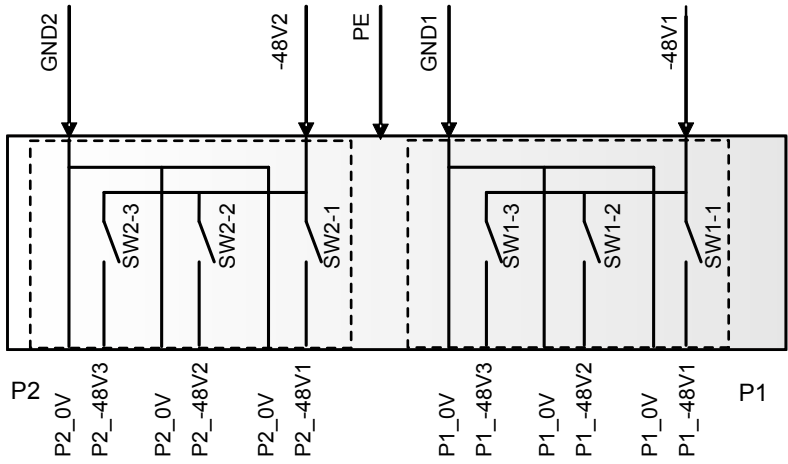
1 Front View



Note
GND indicates the power ground of the external power supply, PE indicates the protective earth ground and 0V indicates the power ground of each subrack's branch power.

2 Power Supply Principle

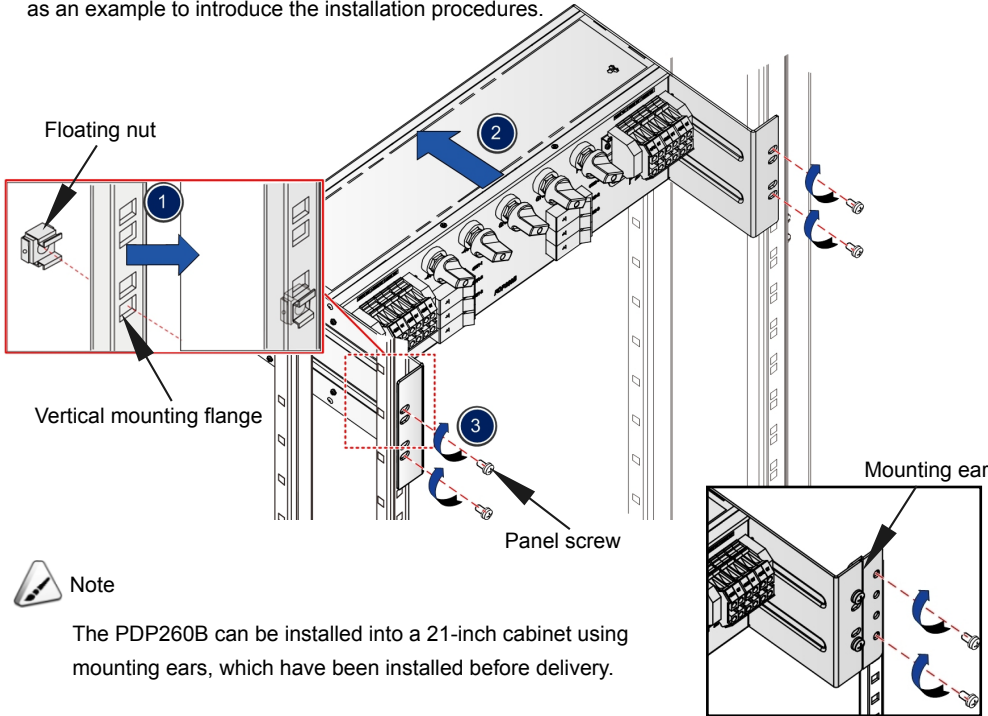
The PDP260B power supply principle is shown in the figure below.



Note: P1_-48V1 indicates the -48V1 connector of P1, and so on.

Installing the PDP

The PDP260B is normally installed on the cabinet top. In the following figure the 19-inch cabinet is used as an example to introduce the installation procedures.



Note
The PDP260B can be installed into a 21-inch cabinet using mounting ears, which have been installed before delivery.

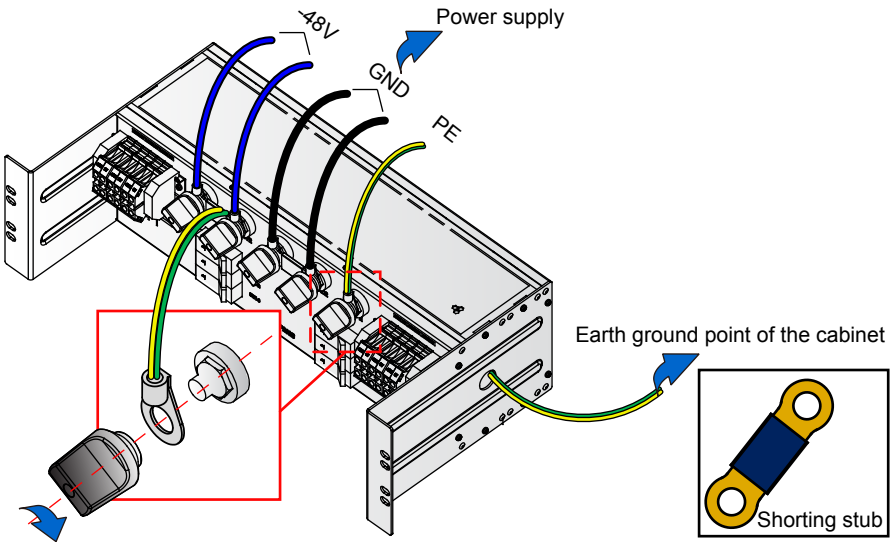
Connecting Cables

The PDP260B requires connecting cables including external power cables, cabinet protection earth ground cables and subrack power cables.

1 Connecting the External Power Supply Cable/ Protection Earth Ground Cable

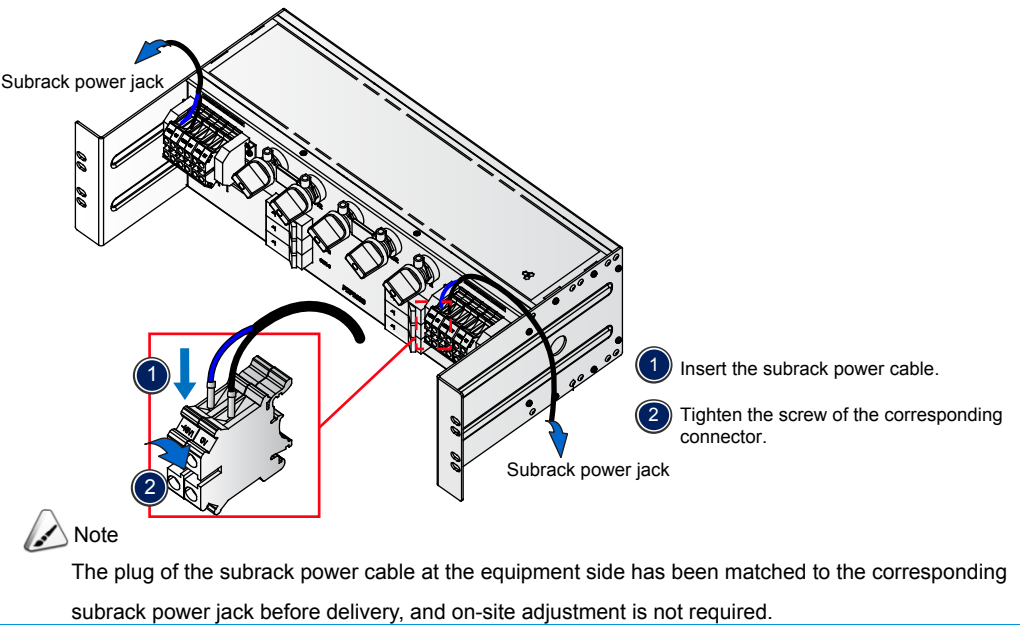
- Caution**
1. Make sure the PDP is in good contact with the protection earth ground.
 2. Make sure the input power to the external power supply is shut off before connecting the external power cable. Never connect the power cable while it is powered.
 3. The unnecessary uninsulated parts such as the DC terminal connection points should be completely covered with an insulated material.

Note
Each PDP260B is equipped with two shorting stubs (optional accessories). If there is only one external input power supply available but the equipment requires dual power supplies or 6 outputs, connect -48V1 and -48V2, GND1 and GND2 respectively with two shorting stubs.



2 Connecting the Subrack Power Cable

- Caution**
Make sure the corresponding ACB is in the OFF position before connecting the subrack power cable.



Note
The plug of the subrack power cable at the equipment side has been matched to the corresponding subrack power jack before delivery, and on-site adjustment is not required.