



DC DISTRIBUTION CABINET

DPZ-48/1000-2

Feature

- 19" standard cabinet enclosure
- Bottom or top cable entry
- Live upgrade of single MCB
- Perfect protection function, can realize error sound and light alarm
- Product standardization, modular design, the production cycle is short.
- Configurable intelligent controller support Modbus protocol, LCD display and remote monitoring

Introduction

DC Distribution Cabinet does not need to be intelligent. However, DPZ series is an intelligent DC distribution cabinet which is flexible and customized according to requirements in dimension, capacity and function. DPC's DC distribution cabinet, DC power system, Inverter, DC/DC converter, remoter monitoring system could built up complete power solution for telecom applications

Structure

- Vertical cabinet installation
- 2 layers door, ≥ 2.0 mm cold steel for the structure
- Front and back door and operation
- Cable Upper and lower inlet and outlet
- Nickel/Tin plated copper 99.99% pure copper. The dimension of main/branch bus bars meets the current requirement.
- Dimension W*D*H:600*600*2200 (mm)



Base function

- Configuration: Fully Independent
- Input DC voltage: 48 VDC
- DC current: 2*1000A
- Protection Class: IP20
- Input protection: 2*1000A Fuse (Included 2 Spare part fixed in cabinet)
- Nominal input voltage: 40 – 60 VDC
- Operation range temp: 0 to +60°C
- Relative humidity: 20 to 90% non-condensing
- Protection: short circuit protection Lightning Surge protection function
- LCD Display: Indication of current and voltage on both systems at the same time. - Indicator operation status, cause warning on LCD screen. By showing the general operating status of the cabinet, normally, the green light is on. When there is a warning, the red light is on.
- Controller: DKD31, Modbus RTU, RS-485. Monitoring via Modbus protocol, capable of transmitting current information, voltage, status of CBs, warning when there is a problem. There is software tool to check.
- Alarm: Display the over/low voltage alarm function, fault indicator, alarm buzzer, and manually cut off the alarm sound. Light and audible warning in case: fuse is broken or any CB OFF or low or high input voltage. Display alarm status and cause on LCD screen.

Detection system function

- Detect DC input current and voltage;
- Support the work of signal lamps;
- Detect the On /Off status of output shunt.

Output

- MCB: 1 pole, over load/ current protection, IEC 60947 compliant.
- 20*100A
- 40*63A
- 40*32A
- 20*16A

Other

- Positive grounded and ground protection
- Output shunt alarming
- Green lamp of normal working
- Status: 1set
- Fault alarming lamp: 1 set
- Nature heat sink, labels...
- Sound switch: 1set Control and Monitor with LCD

Model: DPZ-48/1000-2

Remark: can be configured according to customer's requirements