DC Power Distribution Unit



Key Features

- Built-in DC lightning protection
- Complete fault protection & Fault alarm functions
- Integrated communication ports and interfaces such as dry contacts and RS 485 for remote monitoring and management
- Tenant-wise energy statistics and reports
- Frontal accessibility for easy repairs and maintenance

Application

- New base station/equipment room
- Rebuilding base station/ equipment room
- Multi-user base station/ equipment room

Description

The PDU series is designed to meet the needs of power distribution units of telecom access sites. It comes with an integrated controller that enables customer to read tenant-wise energy statistics as well as to extend the remote monitoring access. It is flexible enough to mount in the different cabinets.



PDU48/125DF-S2



PDU48/300DUI-S1/S2/S3



PDU48/300DUI-S4/S5



Technical Specifications

| Model | PDU48/125DF-S2 | PDU48/300DUI-S1/S2 | PDU48/300DUI-S3 | PDU48/300DUI-S4/S5 | PDU48/300DF | | |
|-----------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------|-------------------------------|
| | | | | | S 1 | S2 | S 3 |
| System Capacity | 125 A | 300 A | 300 A | 300 A | 300 A | | |
| Monitoring | No | SM DCU | SM DCU | SM DCU | No | | |
| Output Distribution | 25 A x 8 MCB | LLVD: 63 A x 5 (MCB) BLVD: 63 A x 2 (MCB) 16A x 4 MCB 10A x 4 MCB | LLVD: 32 A x 12 (MCB) 6 A x 1 (MCB) BLVD: 16 A x 4 (MCB) 10 A x 2 (MCB) | User 1,2 - LLVD: 160 A x 2 (FUSE) BLVD: 100 A x 2 (FUSE) User 3 - LLVD: 63 A x 1 (MCB) 34 A x 1 (MCB) BLVD: 16 A x 2 (MCB) | Hydraulic MCB: 40 A × 9 | Hydraulic MCB: 40 A × 4, 30 A × 4 | Hydraulic MCB: 40 A × 9 |
| Power off function | No | S1: Power off function is triggered by main controller S2: With load contac- tor, battery power off function is triggered by main controller | S3: Power off function is triggered by main controller | S4: Power off function is triggered by main con- troller S5: With load contactor, battery power off func- tion is triggered by main controller | No | | |
| Dimensions (mm) (W x D x H) | 482.6 x 100 x 43.4 | 482.6 × 133 × 132 | | 482.6 × 133 × 250 | 440 x 165 x 43.4 | | |
| Weight | Approx. 2 kg | Approx. 9 kg | | Approx. 13 kg | Approx. 3 kg | | |

| Technical Parameters | Description | | | |
|-----------------------|---------------------------------------------------------|--|--|--|
| Operating temperature | - 5 °C to + 40 °C | | | |
| Storage temperature | - 40 °C to + 70 °C | | | |
| Relative humidity | ≤ 95% RH | | | |
| Altitude | ≤ 2000 m (derating above 2000 m) | | | |
| Input/output voltage | -40 Vdc to -60 Vdc | | | |
| Nominal voltage | 48 Vdc | | | |
| Other | Free from conductive dust, corrosive gas, and explosion | | | |

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