



The DD 1300 series ...

DD System DD 55/1300W-6 KDA01

Features

- 20~31Vdc input; at 7.8KW/55Vdc output
- High Efficiency 88%
- 8U high in 19" and ETSI rack standard format
- Hot swappable 1.3KW DC/DC power modules
- UL/CUL, TUV approvals, CE mark and CB report

Applications

- 3G Co-station requirement



Description

The DD 55/1300W-6 KDA01 Power system combines a compact modular design with intelligent power features and state-of-the-art technology. The DD 55/1300W-6 KDA01 is capable of providing power up to 7.8 kW. It contains up to 6 converters DD 55 V - 1300 W - A, as well as different distribution units with configurable elements for DC.

The DD Power System will be converting 24Vdc power to -55Vdc. The Power Shelf can be configured into an external rack system or work as an external stand-alone DC power system.



DD 55/1300W-6 KDA01: Technical specifications

General

Efficiency	88 %
Safety	EN 60950 IEC 60950 UL 60950 CAN/CSA-C22.2 No.60950
EMI, radiated Compliant with	FCC Part 22, class A EN 55022, class A

Input

DC connection	Single/Multi-Feeder(s)
Voltage range	20 ... 31 Vdc
Current maximum	6 x 75 A
EMI, conducted Compliant with	FCC Part 14, EN 55022, class A
DC terminal	Landing Bus
DC switch	None

Output

Voltage, nominal	55 V _{dc} , fixed
Load regulation	< ± 1 %
Line regulation	< ± 0.2 %
Overvoltage protection	58.5 ± 0.8 V
Maximum power	7800 W, max.
Current limit	138 A ± 5%
Load sharing	< ± 5%

Options

PDU Box	10 ... 100 A, 16 positions 400 A maximum
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Power system controller

Alarm Board	
Alarm Interface	DB 9
Relay outputs	Up to 9 relay outputs

Mechanics

Construction	Shelf
Width, overall	18.3" / 465 mm
Depth, overall	14.3" / 365 mm
Height, overall	13.6" / 347 mm
Weight, system (empty)	35.6 lb / 16 kg
Weight, converter	6.67 lb / 3 kg per converter

Environment

Operating temperature	- 5 ... + 50 °C
Relative humidity	95 % max, non condensing
Altitude	- 500 ~ 10000 feet

Power module

Converter	DD 55 V - 1300 W - A
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*Specifications are subject to change due to technical progress