

Power System ES 48/150-UQA01

The Power behind.



Main features

- Up to 8.1 kW installed max. power
- User friendly user (LED) operation interface
- Wide input voltage range
- Module design, front access for simple maintenance
- Compact design, saves valuable floor space
- Intelligent remote system monitoring and control

Applications

- Telecom, wireless, datacomm
- Small or medium power shelf for telecom power system

Description

Delta DPR 2700 series power system, consisting of compact rack enclosures, 2700W rectifier modules and related power distribution units, is under the control of Control and Supervisory Unit. User can operate the system via the user friendly, LCD interface. Meanwhile, with the Delta power system management software.

Delta DPR 2700 series power system is designed to meet the demands of today's and tomorrow's wireless and wire-line network applications. It combines a compact, modular design and intelligent power features. The DPR 2700 series power module is UL, TUV approved and manufactured in our modern **ISO 9001** and **TL 9000** certified facility.



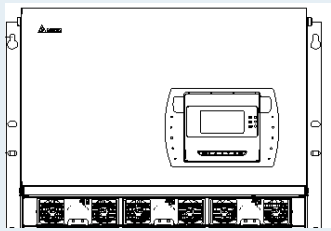
Power System ES 48/150-UQA01

Technical Specifications

General	
Efficiency	≥ 92 %
Losses, max.	235 W (Per rectifiers)
Safety	CE, UL, TUV/CE (Rectifier)
EMC	EN 55022 Class B (Rectifier)
Cooling	Fan cooled rectifiers

Input	
AC connection & Nominal voltage	L + N + PE : 220 V _{RMS}
Range, full power	184 ... 300 V _{RMS}
Range, reduced power	90 ... 184 V _{RMS}
Frequency range	45 ... 65 Hz
Current nominal	L + N + PE : 220 V _{RMS} /40 A _{RMS} @ 2.7kW X3
Inrush current	< 21A _{peak} per rectifier
Harmonic distort. THD	< 5 %
Input protection,	Surge Protect 20 KA 8/20 μS
Main Input	AC Breaker

Output	
Voltage, nominal	Float: 54.0 V _{DC} Equalize: 56.0 V _{DC}
Voltage range	40 ... 59.5 V _{DC}
Voltage regulation	< ± 0.1 %
Overvoltage protection	59.5 V _{DC}
Ripple + spikes	≤ 100 mV _{p-p}
Psophometric noise	≤ 2.0 mV _{RMS} (weighted)
Output current	150 A _{DC} @ 54 V _{DC} 168 A _{DC} @ 48 V _{DC}
Power, maximum	8.1 kW

Load distribution	
Power Shelf	
Power Distribution Unit	<ol style="list-style-type: none"> 1. Main AC Breaker 2. AC Surge Protection 3. Load Breaker X 24 (DIN Rail C60 Type) 4. Battery Breaker X6 (DIN rail C60 Type)
LVBD	300A -

Mechanics	
Construction	Power Shelf PDU
Height, overall	333 mm / 13.1 inch (7.5U)
Width, body	482.6mm / 19 inch
Depth, overall	340 mm / 13.5 inch
Weight, system	6 kg / 13 lb (w/o Rectifier)
Weight, rectifiers	2.2 kg / 4.4 lb

Environment	
Ambient temperature	-10 ... +55C / 14 ... 131°F
Reduced power	+55...+75 °C (131...+167 °F)
Storage temperature	-40...+80 °C (-40...+176 °F)
Relative humidity	95 % max, non cond.

Control and monitoring	
Power system controller	Delta New Smart CSU
Display	LCD 128 x 64 dots display
Function	System monitoring (Local) Parameter setting Temperature compensation Boost / Equalize charge Alarm relay definable Battery test
Remote Interface	USB

Accessories	
Rectifier blank panel	
Delta remote management software	
Web/ SNMP extended board	

Subject to change due to technical progress.