

Power System ES 48/150-UCA01

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/ DPR 2000 series power system, consisting of compact rack enclosures, 2700W/ 2000W 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, 7 segments LED interface. Meanwhile, with the Delta power system management software.

Delta DPR2700/DPR2000 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 DPR2700/ DPR2000 series power module is UL, TUV approved and manufactured in our modern **ISO 9001** and **TL 9000** certified facility.



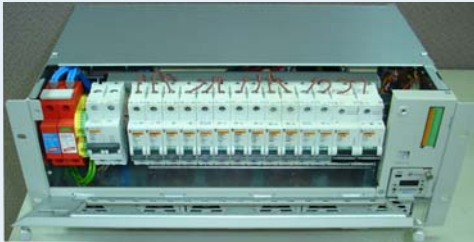
Power System ES 48/150-UCA01

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 Maximum
Inrush current	< 21A _{peak} per rectifier
Harmonic distort. THD	< 5 %
Input protection,	Surge Protect 20 KA 8/20 μS
Main Input	AC Breaker 2P C60 type 63A

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 2P C60 type 63A 2. AC Surge Protection 3. Load Breaker X 12 (DIN Rail C60 Type) 4. Battery Breaker X2 (DIN rail C120 Type) 5. Relay dry connector 6. ACU (Alarm Controller Unit)
LVBD	200A -

Mechanics	
Construction	Power Shelf PDU
Height, overall	180 mm / 7.09inch (4 U)
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	Alarm Controller Unit
Display	7 Segments LED display
Function	System monitoring (Local) Parameter setting Temperature compensation Boost / Equalize charge Alarm relay definable Battery test
Remote Interface	USB

Rectifier Type	
ESR48/56A (DPR-2700)	Output Power 2700W
ESR48/40A (DPR-2000)	Output Power 2000W

Accessories	
Rectifier blank panel	
Delta remote management software (ARMS)	

Subject to change due to technical progress.