



### Main Features

- Up to 8.1 kW installed max. power
- User friendly user (LCD) 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, datacom
- Small or medium power shelf for telecom power system

### Description

PCE 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 PCE power system management software, the remote power system management function is also available through internet, intranet or telephone line.

PCE 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 ES48/150 - UQA03

## Technical Specifications

General	
Efficiency	≥ 92 %
Losses, max.	216 W (Per rectifiers)
Safety	CE
EMC	EN 55022 Class A
Cooling	Fan cooled rectifiers

Input	
AC connection & Nominal voltage	L + N + PE : 220 V <sub>RMS</sub>
Range, full power	184 ... 300 V <sub>RMS</sub>
Range, reduced power	90 ... 184 V <sub>RMS</sub>
Frequency range	45 ... 65 Hz
Current nominal	L + N + PE : 220 V <sub>RMS</sub> /40 A <sub>RMS</sub> @ 2.7kW X3
Inrush current	< 21A <sub>peak</sub> 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 <sub>DC</sub> Equalize: 56.0 V <sub>DC</sub>
Voltage range	40 ... 59.5 V <sub>DC</sub>
Voltage regulation	< ± 0.1 %
Overvoltage protection	59.5 V <sub>DC</sub>
Ripple + spikes	≤ 100 mV <sub>p-p</sub>
Psophometric noise	≤ 2.0 mV <sub>RMS</sub> (weighted)
Output current	150 A <sub>DC</sub> @ 54 V <sub>DC</sub> 168 A <sub>DC</sub> @ 48 V <sub>DC</sub>
Power, maximum	8.1 kW

Load distribution	
Power Shelf	
Power Distribution Unit	<ol style="list-style-type: none"> <li>1. Main AC Breaker 2P C60 type</li> <li>2. AC Surge Protection</li> <li>3. Load Breaker X 12 (DIN Rail C60 Type )</li> <li>4. Battery Breaker X2 (DIN rail C120 Type)</li> </ol>
LVBD	300A -

Mechanics	
Construction	Power Shelf PDU
Height, overall	176 mm / 6.9 inch (4 U)
Width, body	482.6mm / 19 inch
Depth, overall	336 mm / 13.3 inch
Weight, system	20 kg / 44 lb (w/o Rectifier)
Weight, rectifiers	2.0 kg / 4.4 lb

Environment	
Ambient temperature	-10 ... +55C / 14 ... 131°F
Relative humidity	95 % max, non cond.

Control and monitoring	
Power system controller	PCE 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	RS-232 Port

Accessories	
Rectifier blank panel	
PCE remote management software	

Subject to change due to technical progress.