

Power system

ES48/45-HFT Series

Description

Delta ES48/45-HFT series power system consisting of compact shelf enclosures, 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 ES48/45-HFT 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 and is manufactured in our modern **ISO 9001** and **TL 9000** certified facility.



Main features

- 3U/19" compact enclosure
- 4 rectifier slots
- Rectifier output power from 300W/600W
- User friendly user (LCD) operation interface
- Wide input voltage range
- Module design, simple maintenance
- Compact design, saves valuable floor space
- Intelligent remote system monitoring and control

Applications

- WiMAX power application
- Network base stations
- Wireless application
- Fixed line application, data communications



Technical specifications

1. Input	
AC connection	1P: Single Phase: 200-240V
Nominal voltage	230 V _{RMS}
Frequency range	45 - 65 Hz
Mains terminal	Input terminal (L-N-PE) or 2P MCCB for option
AC surge protection	No/Optional

2. Output	
Voltage range	42 – 58 V _{DC} ; 54 V _{DC nom}
Power, nominal	4 rectifier slots
Load distribution	C60 x 2
Battery distribution	C60 x 1
LVD on battery	Yes / 50A
Extra LVD	No / Optional
DC surge protector	External mounting
Relay output	6

3. Ordering information	
Part number	ES48/45-HFTXX—1P

3. General	
Height, overall	133 mm (3U)
Width, body	432 mm (19")
Depth, overall	305 mm
Weight, system	5.3 kg (w/o Rectifier)
Ambient temperature	-20 - +65 °C
Relative humidity	95 % max, non cond.
Safety	CE , TUV/UL(Rectifier)
Controller	CSU 502+
Rectifier	DPR 300B-48 DPR 600B-48

4. Accessories (Optional)	
Rectifier blank panel	
WEB/SNMP card	
AC surge protection	
Battery breaker	
Load breaker	
Extra LVD	
Battery cables	

* Specification subject to change without prior notice.



DELTA ELECTRONICS, INC.

3, Tung Yuan Road, Chungli Industrial Park,
Taoyuan Hsien 320 Taiwan, R.O.C.
Phone: +886 3 452-6107 Fax: +886 3 452-7314

www.deltaenergysystems.com

FS_ES4845-HFT00(Standard) Series_en 2010-10 (2) / Rev. 01 /