

# ESAA150-CTA Series

## Power system



### Descriptions

Delta ESAA150-CTA 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 ESAA150-CTA 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

- 3 rectifier slots for ESAA150-CTA02 system
- Rectifier output power from 2900/2700/2000 W
- 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
- All front terminal connector for I/O port.

### Applications

- BTS power application
- Network base stations
- Wireless application
- Fixed line application, data communications
- Outdoor Application
- DC 48Vdc power charge station

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### Technical specifications

#### 1. AC Input

AC Connection	Terminal 3P/50A L + N + PE
AC Breaker	2P/70A
L + N + PE	200~ 240 V <sub>RMS</sub> (L-N)
Voltage range, full power	176 – 300 V <sub>RMS</sub>
Voltage range, reduced power	90 – 176 V <sub>RMS</sub>
Frequency range	45 – 65 Hz
Current nominal/phase	14 A <sub>RMS</sub>
Inrush current	< 21 A <sub>peak</sub> per rectifier
Harmonic distort. THD	< 5%

#### 2. DC Output

Output Voltage	42 - 58 V <sub>DC</sub> ; 54 V <sub>DC nom</sub>
Output max. power	8.1kWmax.48Vdc/168A @2700 rectifier *3
Output max. current	110A~ 160A <sub>DC</sub> ; 54 V <sub>DC</sub>
Noise	≤ 55dBA @ 1M
Load Breaker	50A x 6 in Front
Battery Breaker	100A x 2 with Front Terminal
LVDS (battery)	200A
Alarm relays output	6 Form C type
Temperature Sensor	Ta (Ambient )x1 Tb (battery ) x1

#### 3. system Function

Display show	96*64 LCD Dots Display Show DCV/DCI
Battery Function	Float / Equalize / Boost charge / Battery test Func- tion
Alarm Function	Relay *6 from C type LCD Display show
Remote/local Control	Mini USB by Delta ARMS; RJ-45 for TCPIP SNMP
Batt. compensation	T/V compensation
Soft Start (limited inrush current)	0.1Vdc/sec from 42Vdc

#### 4. Other General

Height, overall	134 mm (3U)
Width, body	482 mm (19")
Depth, overall	320 mm (with Terminal)
Weight, system	8.5 kg (without rectifier)
Operation Temperature	-20 - +65 °C
Relative humidity	95 % max, non cond.
Safety	CE , TUV/UL(Rectifier)
Controller	CSU 502
Rectifier (CAN Version)	DPR 2900 / DPR2000 / DPR2700

\*\* Contact Delta for the various configurations options

\* Specification subject to change without prior notice.

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