

# CPC 1500 EnergE

## DC/DC Converter



### Descriptions

DC to DC converter, converting between the voltage level of battery systems to the voltage requirement of equipment. The converter family provides options for converting  $-48\text{V}$  to  $+24\text{V}$  and  $+24\text{V}$  to  $-48\text{V}$ . The modular format enables easy integration into the standard shelf solutions of existing DC power systems for producing a multi-voltage power solution.

### Main features

- Energy saving – leading edge efficiency
- Energy saving – high power density
- Applicable in indoor – extended temperature range
- Up to 5 modules per 1U / 19 in shelf
- Up to 6 modules per 1U / 23 in shelf
- Easy installation, commissioning and maintenance
- LED status indicators
- UL and CE certificate

### Applications

- LTE/4G/5G
- Fixed line
- Datacom



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### Technical specifications

Model **CPC 1500B-24 ID:A2**

1. Input	
Mains voltage	38 - 60 V <sub>DC</sub>
Current	38A (Max.)
EMI (conducted)	EN 55022, class A FCC 15, class A
Protection	Internal fuse

2. Output	
Nominal system voltage	27 V <sub>DC</sub>
Operating voltage range	24 - 28 V <sub>DC</sub>
Power limitation	1500W
Current limitation	58 A
Over voltage protection	29.5 V
EMI (conducted)	EN 55022, class A FCC 15, class A
Load sharing	Yes
Protection	Oring diode

3. General	
Peak efficiency	95 %
Power density	34 W/in <sup>3</sup>
Communication Interface	CAN bus
User interface	Status indication
Cooling	Fan cooled
Acoustics	50 dB (A)
Dimensions (W x H x D)	84.5 x 40.0 x 335.0 mm (3.3 x 1.6 x 13.2 inch)
Weight	1.8 kg (3.9 lb)
Operating temperature	-40 to +75 °C (-40 to +167 °F)
Relative humidity	95%, non-condensing (Max.)

4. Standards	
Safety	EN / IEC 60950 UL 60950 CAN / CSA - C22.2
EMI (radiated)	EN 55022, class B
Environment	RoHS compliant
Protection class	IP20 (EN 60529)

5. Ordering Information	
Part number	DCS-27/58A A-S

\*All specifications are subject to change without prior notice.

#### DELTA ELECTRONICS, INC.

3 Tungyuan Road, Chungli Industrial Zone,

Taoyuan City 32063, Taiwan.

TEL : +886-3-452-6107 FAX : +886-3-452-7314

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<http://www.deltapww.com>

