

# CPS 1500 Series

## DC / DC converter



The CPS 1500B DC / DC converter shelf series belongs to the Delta CellID product series. The modular architecture enables the possibility to easily create dual voltage system solutions. This high power density system is ideal for space critical applications.

The shelf type of system in 23 inch and 19 inch standard includes up to six respectively five DC / DC converter modules. The shelf is a universal design and can be equipped with either CPC 1500B - 48 or with CPC 1500B - 24 converter module to achieve either a 24V / 48V conversion respectively 48 V / 24 V conversion.

In addition, easy installation and expandability add to the success of the system. Delta is known for quality and product reliability, and to this solution has been added cost effectiveness.

The shelf systems provide full system function integration with Delta's rectifier and hybrid power solutions by using Orion / PSC 3 controller. With the available simple alarm board option, it is possible to create simple alarm logic for monitoring purposes of the DC/DC converters and load distribution fuses.

### Key Features

- Energy saving – ultra high efficiency
- Space saving – high power density
- 23inch / 1U shelf power system up to 9 kW
- 19inch / 1U shelf power system up to 7.5 kW
- Easy system integration with Delta controller or with simple alarm interface

### Applications

- 3G / 4G / 5G
- Fixed Line
- Datacom



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## INPUT

GOASEM-00-AC

Input voltage	19 - 30 V <sub>DC</sub> *1 / 38 - 60 V <sub>DC</sub> *2
Protection	Internal fuse

## OUTPUT

Voltage (default)	54 V <sub>DC</sub> *1 / 27 V <sub>DC</sub> *2
Voltage (adjustable range)	48 – 56 V <sub>DC</sub> *1 / 24 – 28 V <sub>DC</sub> *2
Power limitation – 23 inch	9000 W
Power limitation – 19 inch	7500 W
Current limitation – 23 inch	174 A *1 / 348 A *2
Current limitation – 19 inch	145 A *1 / 290 A *2

## MECHANICAL

Dimensions (W x H x D)	23in: 584.2 x 43.7 x 400.3mm ( 23.00 x 1.72 x 15.88in ) 19in: 482.6 x 43.7 x 400.3mm (19.00 x 1.72 x 15.88 in )
Weight	23in approx. 5.5kg (12.1lb) 19in approx. 4.8kg (10.6lb)

## ENVIRONMENTAL

Operating Temperature	-40 to +75 °C ( -40 to +167 °F )
Altitude	0 - 3000m
Related Humidity	95%, non-condensing (Max.)
Acoustic Noise	< 60dBA

## STANDARDS

Environment	RoHS
Safety	EN / IEC 60950 UL 60950 CAN / CSA - C22.2
EMI (conducted)	EN 55022, class A

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

### Delta Electronics Inc.

3 Tungyuan Road, Chungli Industrial Zone,  
Taoyuan City 32063, Taiwan.

T +886 3 452 6107 / F +886 3 452 7314

[www.deltaww.com](http://www.deltaww.com)

