

# D-Cell504 DC Power Supply

**D-Cell504 DC Power Supply** is a high efficient low consumption direct current power supply, specifically designed for D-Cell504 amplifiers.

Thermal protection, deep discharge lead-acid battery protection and remote power on/off switch features make **D-Cell504 DC Power Supply** the perfect choice for both domestic and industrial environments or automotive systems where battery packs or solar power mains and backup supplies are in use.

## Specifications

AC Mains Power	
Operating voltage limits	from 9.5 to 68 V <sub>DC</sub>
Efficiency	93% (typical)
Start-up voltage	+ 10.0 V <sub>DC</sub>
Consumption @ 24 V <sub>DC</sub> input (full power)	24.6 A <sub>DC</sub>
Idle current consumption @ 24 V <sub>DC</sub>	55 mA
Off consumption @ 24 V <sub>DC</sub>	2 mA
Max environmental operating temperature	40°C (104°F)
Construction	
Dimensions	100 mm x 78 mm x 45 mm (4" x 3" x 1.8")
Weight	0.3 kg (0.66 lb)

## Technical Support

Should you encounter any difficulties in operating this amplifier module, please do not hesitate to contact our technical support. We will be glad to be of assistance.

[support@powersoft.it](mailto:support@powersoft.it)

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Quick Guide

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Power Supply**

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## DEFAULT SETTINGS

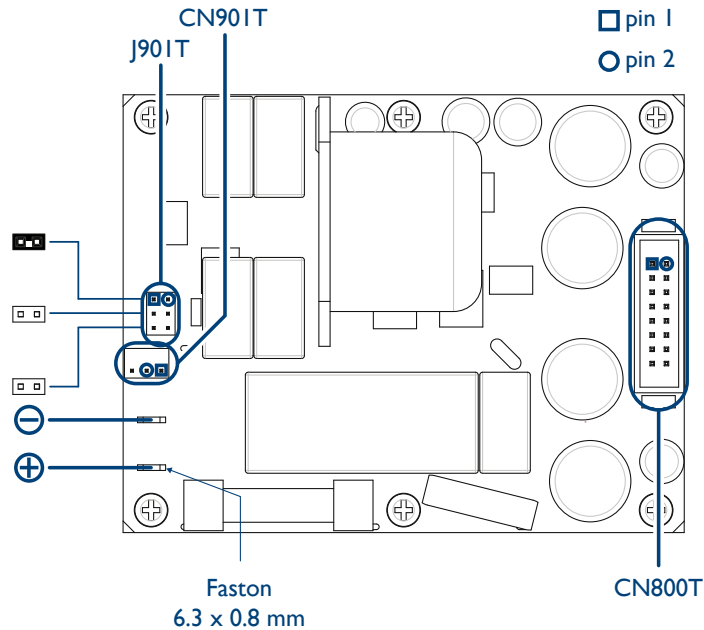
-  jumper in place
-  jumper not in place

Place jumper to set shutdown voltage to 10V<sub>DC</sub>

Place jumper to set shutdown voltage to 20V<sub>DC</sub>

Place jumper to set shutdown voltage to 40V<sub>DC</sub>

DC MAINS



J901T	
1	GND
2	SD10V
3	GND
4	SD20V
5	GND
6	SD40V

CN800T	
1	+VCC
2	+VCC
3	+VCC
4	+VCC
5	GND
6	GND
7	+12VDC
8	+7.5VDC
9	RESERVED
10	-12VDC
11	GND
12	GND
13	-VCC
14	-VCC
15	-VCC
16	-VCC

CN901T	
1	PIN1
2	PIN2
3	PIN3

## Notes

- ▶ **CN901T connector**  
To switch on the D-Cell504 DC Power Supply, tie PIN 2 to PIN1 or PIN3. Alternatively tie to a positive voltage above 10V<sub>DC</sub>.
- ▶ **J901T connector**  
Set shutdown voltage threshold: this functionality allows to avoid deep discharge on lead acid batteries operation.
- ▶ **CN800T connector**  
Use flat cable CB00255 to connect the DC power supply to D-Cell504 Amplifier Unit.