

DEWE-DCDC-24-300-ISO

External DC/DC power supply

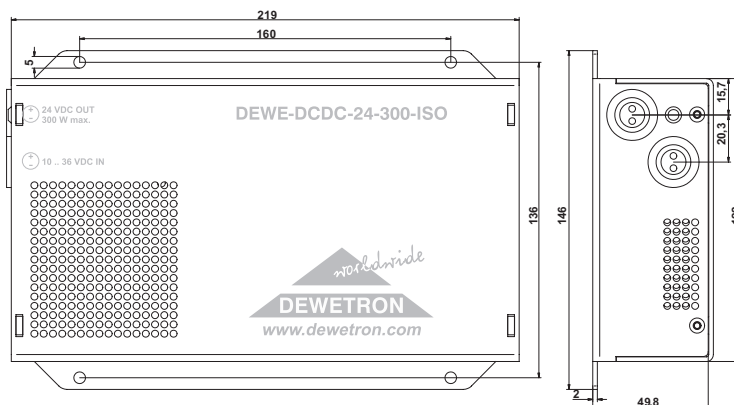
DC/DC power supply	DEWE-DCDC-24-300-ISO
Input:	
Input voltage:	10 to 36 V _{DC} (the input is protected against wrong polarity)
Max. input current:	36 A @ 10 V _{DC} input voltage (15 A @ 24 V _{DC})
Input connector:	2-pin LEMO connector male, type: EGJ.2B.302
Output:	
Output voltages:	24 V
Output power:	300 W
Output current:	12.5 A
Output connector:	2-pin LEMO connector female, type: EGG.2B.302
Operating temperature:	-20 °C to 60 °C
Derating above 45 °C:	8 Watt/°C
Isolation voltage:	500 V _{DC}
Status LED:	Green LED indicates an output voltage > 21 V _{DC}
Dimensions: (W x D x H):	approx. 219 x 122 x 50 mm (8.6 x 4.8 x 2 in.)
Weight:	1.3 kg (2.9 lbs)
Power on sequence:	
First: Connect the system and the DEWE-DCDC-24-300 followed by the power supply connection.	

As an option the DEWE-xxx is shipped with the DEWE-DCDC-24-300-ISO. This power supply serves galvanic isolated voltage with a wide input range from 10 to 36 V_{DC}. The output voltage is fixed with 24 V_{DC} with a maximum output power of 300 W.

Depending on the configuration, the DEWE-xxx takes usually not more than 150 W. The typical power consumption is just around 70 W. However, if the batteries are empty the input current can go up to 12 Ampere which is an equivalent power consumption of 280 Watt! If the unit is supplied from a typical board supply of 12 V it needs an input current of 28 A!

If this high power is not available in the board supply please operate the DEWE-xxx without or with charged batteries.

Dimensions*



* Dimensions in mm
(1 inch = 25.4 mm)

Input connector



Lemo EGJ.2B.302

Pin assignment
1: 10 .. 36 V_{DC} input
2: GND

Output connector



Lemo EGG.2B.302

Pin assignment
1: 24 V_{DC} output
2: GND

Optional cables: C8502 LEMO 2B jack to banana plugs, 2 m.

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Notes