

Flatpack2 DC-DC Converter Shelf

Overview

Eliminate the need for two battery systems to support sites with multiple voltage equipment by adding an Eltek Flatpack2 DC-DC Converter Shelf. The easy-to-install Flatpack2 DC-DC Converter Shelf (available in 24V or 48V output voltages) is designed to convert a wide input voltages) is designed to convert a wide input voltages. The system features Eltek's High Efficiency technology that makes it ideal for supporting sites with dual voltage requirements, such as +24V legacy and newer microwave or LTE -48V telecom equipment.



FLATPACK2 DC-DC CONVERTER SYSTEMS

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APPLICATIONS

The Eltek Flatpack2 DC-DC Converter System is a high-efficiency power solution with an optimal footprint where space is limited – both in typical racks and some cabinet installations.

The Flatpack2 DC-DC system delivers DC power solutions to telecommunications infrastructures where dual voltage 24/48V or 48/24V are required to power new and legacy equipment from a primary DC voltage source.

PRODUCT DESCRIPTION

At 18.5" deep, the Flatpack2 DC-DC system is designed for use in 19" ANSI/EIA 310-D racks and cabinets. Extender brackets are included for use in 23" racks.

Powered by Flatpack2 HE DC-DC converter modules, efficiency exceeds 93% at 48V DC output.

Optional Configurations:

- Converter system without controller
- Converter system with Compack
 controller

KEY FEATURES

- COMPACT DESIGN Small overall dimensions are ideal for rack applications.
- REAR ACCESS CONNECTIONS DC loads are rear access. All cabling is horizontal to reduce vertical space.
- HEAT MANAGEMENT Flatpack2 converter module features front-to-back airflow and chassisintegrated heat-sinks, supplementing high-efficiency energy conversion with excellent heat management.
- COST-EFFICIENCY A true plug-and-play system, the Flatpack2 DC-DC Converter reduces both time-to-install and overall costs.

FLATPACK2 DC-DC CONVERTER SYSTEMS



Inputs: 2x 3/8"-1 Outputs: 2x 3/8"- 2U SHELI -40 Linear Deratir	2 C 20 - 2V DC)* 228A D 2V DC)* 240A C 10 C 48 - 5 C 48 - 5 C 48 - 5 C 48 - 5 10 C 23" Rack with Exter 6 Studs Input: 16 Studs Output F :	3/8"-16 Studs I :: 3/8"-16 Studs O 1U SHELF	2U SHELF 24 V DC 20 - 75V DC 456A DC (@ 21V DC)* 480A DC (@ 20V DC)* 2U SHELF 54V DC 48 - 58.5V DC 48 - 58.5V DC 10.8 kW* 200A* 200A* 200A* 3.5" X 19" x 18.8" 3.5" X 19" x 18.8" 2U SHELF 2U SHELF
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-40 Linear Deratir			2U SHELF
Linear Deratir	°C to +65°C (-40°F to +	+149°F)	
	-40°C to +65°C (-40°F to +149°F)		
	ng above 55°C per Con	iverter Datasheet	
-40			
			24 lbs
	-		
			system. In addition, the
			COMPACK CONTROLLER
VDC 1	u 4	5400 W	No
4V DC 1	u 4	5400 W	No
7V DC 2	u 8	10,800 W	No
4V DC 2	u 8	10,800 W	No
7V DC 1	u 3	4050 W	Yes
		4050 W	Yes
		9450 W	Yes
		9450 W	Yes
	. 001	TPUT WATTS	OUTPUT CURREN
27 00V			(@ NOMINAL Vоит) 50А
			25A
	-		
ition: IEC 60950-1 2	nd edition		
ала, ieo 00330-1, д	Sucon		
	-40 24 lb connector to commun th a Compack control TPUT RAY MINAL) RV DC 11 RV DC 11 RV DC 11 RV DC 22 RV DC	-40°C to +70°C (-40°F to -240°C to +70°C to +70°C (-40°F to +70°C (-40°F to -240°C to +70°C to +	Sonnector to communicate with an Eltek controller in a rectifier s th a Compack controller for full controller functionality.TPUT MINAL)RACK HEIGHTNUMBER OF MODULESPOWER (W)7V DC1u45400 W7V DC1u45400 W7V DC1u45400 W7V DC2u810,800 W7V DC2u810,800 W7V DC1u34050 W7V DC1u34050 W7V DC2u79450 W7V DC2u79450 W7V DC2u79450 W7V DC2u79450 W7V DC1350 W54.00V DC1350 W

*Depends on number of modules installed.

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Specifications are subject to change without notice