



Low voltage DC/DC converter

- Innovative in energy storage & Power Electronics
- Custom-made solutions
- Complete solution: storage & Power Electronics
- Design and system integration

Features

- 800 W converter, U_n 24V
- Current 33A
- Step down mode
- Binary and analog I/O
- CAN bus interface
- 24 Vdc supply
- Scalable solution

Applications

- Low power energy storage
 - Charging batteries
 - Charging capacitor modules
 - Power supply low power demands

Mechanical Data

Length x Width x Height
240 x 130 x 90 mm
Approx. 800 g

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Technical Characteristics

Symbol	Parameter	Description	Value	Unit
General				
P_r	Rated power	@ $U_{out} = 24V$	800	W
P_R	Rated power	@ $U_{out} = 12V$	400	W
η_r	Efficiency	@ P_r	>95	%
Input				
U_{in24V}	DC voltage range	@ $U_{out} = 24V$	26 – 48	V DC
U_{in12V}	DC voltage range	@ $U_{out} = 12V$	15 – 48	V DC
$U_{in,max}$	Max operating voltage		48	V DC
Output				
U_{out}	Rated voltage		12 – 24	V DC
$U_{out,max}$	Max. operating voltage		24	V DC
I_{nom}	Nominal current		33	A
I_{max}	Max. peak current		40	A
Supply power				
	Control voltage	Rated value Between	24 20 till 150	V DC V DC
	Control current		<1	A
Environment				
T_o	Operating temperature		-30 till 60	°C
T_s	Storage temperature		-30 till 70	°C
	Protection degree		IP00	
Mechanical data				
	Weight		800	g
	Dimensions	Length x Width x Height	240 x 130 x 90	mm
Communication				
	Data	CAN (CAN open)		
	Digital I/O			
	Analog I/O			



Mechanical Data

Length x Width x Height: 240 x 130 x 90 mm

Weight: Approx. 800 g

Enclosure: IP00

Scalable Solution

- Power range up to 10kW
- Voltage range 24V ... 750V
- With or without galvanic isolation

