

DC / DC converter, heavy duty
Low voltage input
Type: SIP

Technical data

INPUT 48 VDC

Type:	SIP 48 – 125 – 2	SIP 48 – 110 – 2.5	SIP 48 – 60 – 4	SIP 48 – 24 – 10
Output:	125 VDC, 2 A	110 VDC, 2,5 A	60 VDC, 4 A	24 VDC, 10 A

INPUT 24 VDC:

Type:	SIP 24 – 125 – 2	SIP 24 – 110 – 2.5	SIP 24 – 60 – 4	SIP 24 – 48 – 5
Output:	125 VDC, 2 A	110 VDC, 2,5 A	60 VDC, 4 A	48 VDC, 5 A

Input voltage deviations:	± 15 % permanently and operationally
Input over voltage resistance:	+ 25 %
Input over voltage peak resistance:	up to +100 %, peak value (under 1 ms)
Output voltage stability to any change of U_i	better than 0,5 %
Output voltage stability to any change of I_{out} :	better than 1 %
Ripple:	<0,1% rms
Possibility of output voltage adjustment:	± 15 %
Current limit:	I_n
Battery charging characteristics:	IU (for battery charger)
Technology:	Resonant converter, LLC circuit, soft switch
Input protections:	under voltage, surge voltage over voltage, over current
Output protections:	over voltage, over current
Power modulator design:	Resonant half bridge
Operating frequency:	75 kHz to 500 kHz
Efficiency	> 0,93
Galvanic separation input – output - housing:	1,5 kV, 50 Hz, 1 min
Indication:	input voltage – LED, output voltage – LED
Signalisation:	Failure, operation – voltage free contact
Ambient temperature during operation:	-20°C to +50°C
Cooling	natural
Hausing:	Metal case
Dimensions (w x h x d):	250 x 110 x 55 mm



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