

DC / DC converter
Remote control
Type: BSR 750



Technical data

HIGH VOLTAGE INPUT, 90 VDC – 260 VDC

Type:	BSR 750 220–3.5 HV	BSR 750 110–7 HV	BSR 750 60-12 HV	BSR 750 48–15 HV	BSR 750 24–25 HV
Output:	220 VDC, 3,5 A	110 VDC, 7 A	60 VDC, 12 A	48 VDC, 15 A	24 VDC, 25 A

LOW VOLTAGE INPUT, 20 VDC – 70 VDC

Type:	BSR 750 220–3.5 LV	BSR 750 110–7 LV	BSR 750 60-12 LV	BSR 750 48–15 LV	BSR 750 24–20 LV
Output:	220 VDC, 3,5 A	110 VDC, 7 A	60 VDC, 12 A	48 VDC, 15 A	24 VDC, 20 A

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, 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	> 0,95
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
Comunication:	CAN bus
Ambient temperature during operation:	-20°C to +50°C
Cooling	natural
Dimensions (w x h x d):	236 x 130 x 50 mm

Author: I. Blaskovic, mag.ing.el.	Surveyor: V. Hlušička, B.ing..el.	Approve: M. Štetić, B.ing.el.
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