

Many navigation devices, radios and receivers cannot be used with a 24 V power supply, because they are designed for 12 V operation only.

A DC/DC converter converts an input of 24 V to an output of 12 V for powering all the equipment which is designed for 12 V supply. An additional battery for supplying 12 V units together with a

- **Efficiency typ. 93 %**
Small heat development by up to date circuit technology
- **Life time warranty**
Optimal circuit design makes high durability possible.
- **Easy installation**
Snap on by assembly clips
- **Completed galvanic isolated output (Type PV i)**
Type PVi with galvanic separated output for isolated power supply on board of ships and cars .



Technical data for the models PV (24/12V)

Input voltage range(PV)	17 - 32 V
Output voltage range (PV)	13.6 - 13.9 V
Ripple	< 50 mV
Efficiency	typ. 93 %
Operation temperature	from 30 °C: current decreasing

Converter in a compact housing. Switch mode technology in SMD technology. Stable aluminium housing with nylon end caps. Electronic protection against overheating and over-voltage. Protection against inverted polarity by internal fuse. Connection via plug contacts 6.3 mm. Supply with assembly clips. Protection IP 53.

Type	Order-No.:	Input- Output voltage	Rated power	Max. load (ED=33%)	Quicent current/ Back current	Dimensions L x W x H	Weight
DC/DC Converter 24V/12V							
PV 3s	7 0020 0003	24 V / 12 V	3 A	6 A	10 mA / 7 mA	87 x 50 x 71 mm	256 g
PV 6s	7 0020 0006	24 V / 12 V	6 A	10 A	10 mA / 7 mA	87 x 50 x 88 mm	318 g
PV 12s	7 0020 0012	24 V / 12 V	12 A	18 A	10 mA / 7 mA	87 x 50 x 126 mm	455 g
PV 18s	7 0020 0018	24 V / 12 V	18 A	21 A	10 mA / 7 mA	87 x 50 x 166 mm	610 g
PV 24s	7 0020 0024	24 V / 12 V	24 A	30 A	10 mA / 9 mA	87 x 50 x 166 mm	610 g
DD 24-12 600	7 0020 0050	24 V / 12 V	50 A	60 A	22 mA / 22 mA	80 x 100 x 300 mm	1100 g
DC/DC Converter 24V/12V with galvanically isolated output							
PV 3i	7 0021 0003	24 V / 12 V	3 A	6 A	11 mA / 3 mA	87 x 50 x 88 mm	318 g
PV 12i	7 0021 0012	24 V / 12 V	12 A	18 A	11 mA / 3 mA	87 x 50 x 166 mm	610 g
PV 24 i	7 0021 0024	24 V / 12 V	24 A	30 A	11 mA / 3 mA	87 x 50 x 216 mm	750 g
DC/DC Converter 12V/12V or 24V/24V with galvanically isolated output							
DDi 12-12 36	7 0022 1103	8-18 V / 13.6 V	3 A	4 A	17 mA / 0 mA	87 x 50 x 88 mm	318 g
DDi 12-12 72	7 0022 1107	8-18 V / 13.6 V	6 A	10 A	17 mA / 0 mA	87 x 50 x 166 mm	610 g
DDi 24-24 240	7 0022 2224	16-36 V / 27.2 V	10 A	12 A	17 mA / 0 mA	87 x 62 x 217 mm	880 g
DC/DC Converter 12V/24V							
DD 12-24 72	7 0022 1207	12 V / 26.5 V	3 A (24 V)	4 A (24 V)	110 mA / 40 mA	87 x 50 x 88 mm	318 g
DD 12-24 240	7 0022 1228	12 V / 27.6 V	10 A (24 V)	12 A (24 V)	10 mA / 10 mA	87 x 50 x 217 mm	820 g
DD 12-24 600	7 0022 1260	12 V / 27.6 V	25 A (24 V)	30 A (24 V)	10 mA / 10 mA	125 x 74 x 283 mm	1860 g
DC/DC Converter 48V/12V							
DD 48-12 108	7 0022 4111	48 V / 13.6 V	9 A (12 V)	11 A (12 V)	15 mA	87 x 50 x 127 mm	420 g