

DC/DC Converter

full rugged power supply

ROD

Modular



Power	Input / V _{DC}	Output / V _{DC}	Current (nom.)	Type
120 W	12 V _{DC} (9 - 16 V _{DC})	12 V _{DC} (±5%)	10,00 A	ROD 12-12-120
		15 V _{DC} (±5%)	8,00 A	ROD 15-12-120
		19 V _{DC} (±5%)	6,32 A	ROD 19-12-120
		24 V _{DC} (±5%)	5,00 A	ROD 24-12-120
		28 V _{DC} (±5%)	4,29 A	ROD 28-12-120
		48 V _{DC} (±5%)	2,50 A	ROD 48-12-120
	24 V _{DC} (16 - 33 V _{DC})	12 V _{DC} (±5%)	10,00 A	ROD 12-24-120
		15 V _{DC} (±5%)	8,00 A	ROD 15-24-120
		19 V _{DC} (±5%)	6,32 A	ROD 19-24-120
		24 V _{DC} (±5%)	5,00 A	ROD 24-24-120
		28 V _{DC} (±5%)	4,29 A	ROD 28-24-120
		48 V _{DC} (±5%)	2,50 A	ROD 48-24-120
200 W	12 V _{DC} (9 - 16 V _{DC})	12 V _{DC} (±5%)	16,67 A	ROD 12-12-200
		15 V _{DC} (±5%)	13,33 A	ROD 15-12-200
		19 V _{DC} (±5%)	10,53 A	ROD 19-12-200
		24 V _{DC} (±5%)	8,33 A	ROD 24-12-200
		28 V _{DC} (±5%)	7,14 A	ROD 28-12-200
		48 V _{DC} (±5%)	4,17 A	ROD 48-12-200
	24 V _{DC} (16 - 33 V _{DC})	12 V _{DC} (±5%)	16,67 A	ROD 12-24-200
		15 V _{DC} (±5%)	13,33 A	ROD 15-24-200
		19 V _{DC} (±5%)	10,53 A	ROD 19-24-200
		24 V _{DC} (±5%)	8,33 A	ROD 24-24-200
		28 V _{DC} (±5%)	7,14 A	ROD 28-24-200
		48 V _{DC} (±5%)	4,17 A	ROD 48-24-200

*200W-Version also with 2nd DC-Output available (optional)

MIL-STD-810G designed to meet	operating	storage
Altitude Method 500.5 (Procedure I)	2,000m	12,192 m
Temperatur Method 501.5 & 502.5, (Procedure I, II)	-30°C to +55°C	-40°C to +70°C
Vibration Method 514.7, (Procedure I)	60 – 400 Hz 1.5 g, 400 – 2000 Hz 1g	60 – 400 Hz 1.5 g, 400 – 2000 Hz 1g
Shock Method 516.7, (Procedure I)	10 g / 6 ms	10 g / 6 ms

MIL-STD-461G designed to meet

CE101	Conducted Emissions, Power Leads 30 Hz - 10 kHz	CE101-4 Curve 2
CE102	Conducted Emissions, Power Leads 10 kHz - 10 MHz	Basic Curve (28 V)
RE102	Radiated Emissions, Electric Fields 2 MHz - 18 GHz	Army
CS101	Conducted Susceptibility, Power Leads 30 Hz - 150 kHz	Curve 2

MIL-STD-1275E certified

Technical Data

Special features	• according to VG 96916-5 and MIL-STD-1275E for characteristics of DC Input on land vehicles • internal filter for spike and transient suppression • green power LED • galvanically isolated input and output to ground • galvanically isolated from input to output • same footprint for all input and output voltages variants
Interfaces	• X1: Input 62GB-12E14-02PN • X2: Output 62GB-12E14-02SN • grounding bolt M8 x 30
Safety	overvoltage, overcurrent and short circuit protection, CE, EN 55032:2015, EN 55024, EN 60529, EN 50581
EMI	MIL-STD-461G
Optional with	-60 dB filter, NATO SDIP27 Level A or B (ER)
Protection class	IP65 according to EN 60529
Cooling	convection cooling
Housing	milled aluminum
Fixation	flange eyelet with long hole
Colour	passivated nato oliv, RAL 6031HR labeling: lemon yellow, RAL 1012
Dimensions	ca. 268.6 x 90 x 51.6 mm (L x W x H) incl. fixation points
Weight	ca. 1.7 kg

v1.6



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