



DC-POWERCONVERSION

NON ISOLATED CONVERTERS

A complete line of high quality DC/DC converters in a compact housing. This series is eminently suitable for applications requiring stability, a modest development of heat and above all a low energy consumption. These products are also distinguished by high efficiency, together with absolute safety. An inferior supply can cause irreparable damage to your 12 Volt system, but using an

Unitek voltage converter will prevent problems of that type. Next to the standard (non isolated) 24/12V converters, a wide range of other models is available.

The SDC 20 , SDC 30 and SDC 60 can also be used as a 13.8Vdc battery charger, to charge from a 24V system a 12V starter or accessory battery.

Non isolated converters	SDC 05	SDC08	SDC 12	SDC 20	SDC 30	SDC 60	STEP 7	STEP 10
Input voltage Vdc	20-35	20-35	20-35	20-35	20-35	20-35	9-18	9-18
Output voltage Vdc	13,8 ± 0,1	13,6± 0,1	13,6 ± 0,1	13,8 ± 0,1	13,8 ± 0,1	13,8 ± 0,1	25 ± 0,1	25 ± 0,1
Output voltage regulation	<3%	<3%	<3%	<3%	<3%	<3%	+0%/-5%	+0%/-5%
Input current at no load	<5 mA	<5 mA	<5 mA	Aprr.25 mA	Aprr.25 mA	Aprr.50 mA	5 mA	5 mA
Output current	5 Amp	8 Amp	12 Amp	20 Amp	30 Amp	60 Amp	7 Amp	10 Amp
Fan assisted cooling	No	No	No	No	Yes temp controlled	Yes temp controlled	No	No
Temperature increase after 30 min. at full load (C°)	30	20	30	25	33	33	30	30
Connections	Four 6,3mm push-on flat blade	Four 6,3mm push-on flat blade	Four 6,3mm push-on flat blade	Four 6,3mm push-on flat blade	Four 6,3mm push-on flat blade	Terminal block-M6 bolt and Nut	Four 6,3mm push-on flat blade	Four 6,3mm push-on flat blade
Weight (Kgs)	0,17	0,25	0,26	0,48	0,6	1,2	0,3	0,4
Dimensions (LxWxH) in mm	68x88x49	98x88x49	98x88x49	126x88x49	151x88x49	151x88x98	98x88x49	126x88x49
Output ripple and noise	less than 50 mV RMS							
Efficiency	92%							
Galvanic isolation	No							
Operating ambient temp.	-/- 20 C° to + 30 C° (derate linearly to zero at 70 C°)							
Storage temperature	-/- 20 C° to + 65 C°							
Humidity	Max 95%, non condensing							
Casework	Anodised aluminium							
Protections:								
Overcurrent	By current limiting							
Overheating	Reduction of output voltage							
Reverse	Fuse and reverse connected diode across input							
Polarity								
Overvoltage								
Approval	CE and AUTOMOTIVE							
Warranty	2 Years							

