

DC SERIES

24V/13.8V DC-DC CONVERTERS

Features:

- Switch-Mode Technology
- High Efficiency
- Wide DC Input Range
- Good Load & Line Regulation
- Input Polarity Protection
- Over-Voltage & Short Circuit Protect
- Output Current Limit

Model	Max. Current
DC-100	10A
DC-150	15A
DC-300	30A
DC-400	40A
DC-600	60A
DC-800	80A



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DC SERIES DC-DC CONVERTERS

FEATURES

- Switch-mode technology
- Design for automotive equipment applications
- Special design and decorous car amplifier heat sink housing (DC-300, DC-400, DC-600 & DC-800)
- Metal housing for DC-100 and metal housing on heat sink for DC-150
- High efficiency implies less heat dissipation without over-heating problem
- Extra 12V DC output for AV and communication equipment on/off control (DC-100 & DC-150 only)

Protect/Control	DC-100	DC-150	DC-300	DC-400	DC-600	DC-800
Short Circuit	yes	yes	yes	yes	yes	yes
OVP	yes	yes	yes	yes	yes	yes
Current Limit	no	no	yes	yes	yes	yes
Cooling Fan	no	no	no	yes	yes	yes
Input Reverse	yes	yes	yes	yes	yes	yes
Fuse	yes	yes	yes	yes	yes	yes
Remote	yes	yes	no	no	no	yes

SPECIFICATIONS

Model	DC-300	DC-400	DC-600	DC-800
Input Voltage Range	20V DC – 30V DC			
Output Voltage	13.8V DC \pm 0.1V			
Max. Output Current	30A	40A	60A	80A
No Load Input Current	\leq 100mA			
Line Regulation	0.1%			
Load Regulation	0.02%			
Output Ripple Noise	50mV (rms)			
Efficiency	Over 85%			
Dimensions WxLxH (mm)	200 x 160 x 70	200 x 195 x 70	200 x 285 x 70	200 x 310 x 70
Weight	1Kg	1.5Kg	2Kg	2.5Kg

Model	DC-100	DC-150
Input Voltage Range	20V DC – 30V DC	
Output Voltage	13.8V DC \pm 0.1V	
Max. Output Current	10A	15A
Continuous Output Current	5A	10A
Line Regulation	0.5%	
Load Regulation	1%	
Output Ripple Noise	100mV (rms)	
Efficiency	Over 85%	
Control Signal Output	12V DC \pm 5%	
Dimensions WxLxH (mm)	40 x 150 x 43	115 x 150 x 43
Weight	200 g	600 g

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