


Specifications

Converter type	Switched Mode stepdown and voltage stabilizing
Input	
Nominal input voltage	24 VDC
Input range, full output specifications	18 - 35 VDC
Input range, no defects	0 - 35 VDC
Output	
Nominal output voltage	13.8 VDC
Voltage adjustment	None
Output voltage ripple, peak	1%
Continuous output power Watts	SMC05 : 69 SMC08 : 111 SMC12 : 166 SMC20 : 276 SMC30 : 414
Continuous output current Amps	SMC05 : 5A SMC08 : 8A SMC12 : 12A SMC20 : 20A SMC30 : 30A
General	
Efficiency	92% (90% SMC05)
No load consumption	<5mA (<25mA SMC30)
Ambient operating temperature	-10 C .. +40 °C (de-rating to 60 °C)
Storage temperature	-25 C .. +85 °C
Operating humidity	95% max non-condensing
Galvanic insulation	None, common negative
Cooling fan	Yes on SMC30
Protections	
Overcurrent / short circuit	limited by current sensing circuit to I-max
Over heat, shutdown	Yes SMC05, SMC20, SMC30
Mechanical	
Connections input/output	Faston 6.3mm
Dimensions mm (HxWxD)	SMC05 : 50x68x88 SMC08 : 50x98x88 SMC12 : 50x98x88 SMC20 : 50x126x88 SMC30 : 50x151x88
Weight	SMC05 : 0.19kg SMC08 : 0.29kg SMC12 : 0.27kg SMC20 : 0.44kg SMC30 : 0.5kg
Cabinet	Anodized aluminium black, ABS end covers

Part Number
Output

SMC05	5A - 69W
SMC08	8A - 111W
SMC12	12A - 166W
SMC20	20A - 276W
SMC30	30A - 414W

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