Non-Isolated Switchmode Voltage Converter

#SVC241207 / SVC241210

www.intervolt.com



DESCRIPTION

Compact 24V to 12V DC voltage reducers. Designed for marine, automotive and industrial applications where cost effective solution is required.

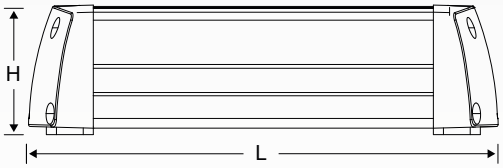
TECHNICAL SPECIFICATIONS

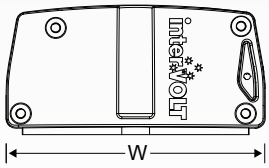
Specification	SVC241207 - 7A	SVC241210 - 10A
Isolated	• No	• No
Input Voltage	• 19 – 33V DC	• 19 – 33V DC
Output Voltage	• 13.7V DC	• 13.7V DC
Continuous Rating	• 7 Amps at 30°C	• 10 Amps at 30°C
Peak Load Rating	• 10 Amps at 30°C	• 15 Amps at 30°C

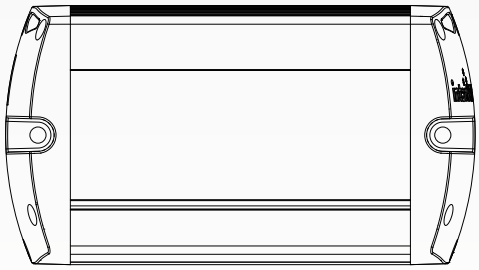
Standby Current Draw	• <20 mA
Power Conversion	• Typically 93% efficiency at 30°C
Output Ripple	• Less than 20 mV Peak to Peak
Operating Temp	• -25°C to + 45°C
Operating Humidity	• Ideally less than 90%

Materials - Enclosure	• Marine grade aluminium dye anodised
Materials - End Caps	• Injection moulded electrical grade ABS/PC plastic
Materials - Terminal Cover	• Extruded temperature resistant ABS
Diagnostic Indicator	• Tri-colour LED – monitoring input voltage, overload, short circuit and temperature.
Electrical Protection	• Transient Voltage - Filtering – Purpose designed circuit • Overload/Short Circuit shutdown – auto reset • Input Under Voltage shutdown – auto reset • Over Temperature shutdown – auto reset • Output Over Voltage – Internal Fuse – Zener crowbar • Input Reverse Polarity – Internal Fuse – Diode bypass
Termination	• Power – 6-32 UNC H/D screw terminal.
Conformity	• Australian AS/NZS CISPR 11. European EN55011. • International CISPR11 and IEC61204-3
Certification	• EMC – Australian C Tick mark and European CE mark

Part Number	Length (L)	Width (W)	Height (H)	Weight (W)
SVC241207	• 120mm	• 80mm	• 40mm	• 270 grams
SVC241210	• 145mm	• 80mm	• 40mm	• 325 grams







29 Tennant St. Welshpool P +61 8 9258 7884 sales@dascosupplygroup.com.au
Western Australia 6106 F +61 8 9463 6364 www.dascosupplygroup.com.au