

SECURVIEW

DC Power Converter

FEATURES

- Wide input voltage and stable output voltage
- 100% full rated power and 100% burn-in test
- High efficiency up to 95%
- Surface mountable
- Over current protection, Over voltage protection
- Over temperature protection
- Cooling by free air convection
- IP68 waterproof, Epoxy potting, Anti-vibration, Dustproof

MODEL OVERVIEW

General Overview						
Model	Input Voltage	Output Voltage	Output Current (Typical)	Output Power Max	Ripple & Noise (Typical)	Efficiency (Typical)
VSPOWCONVERTER4	12~24 VDC	56VDC	10A	560W	200 mVp-p	95%

Model	VSPOWCONVERTER4 (12~56V)
Input	Operating Input Voltage 11 (Min), 12 (Typ), 16 (Max) Vdc
Output	Line Regulation (High line to low line) ± 0.2 (Max) %
	Load Regulation (Full load to zero load) ± 0.2 (Max) %
	Voltage accuracy ± 1.5 (Max) %
	Adjust Range 55.9 (Min), 56 (Typ), 56.1 (Max) V
Protection	Temperature Coefficient ± 0.03 (Typ) %/°C
	Output (Voltage protection) 115 (Min), 140 (Max) %
	Output (Short circuit protection) N/A
	Current Limit (% of nominal Output Current) 110 (Min), 120 (Typ), 130 (Max) %
	Thermal shutdown case temp 80 (Typ) °C
	Cooling Free air convection
	Fuse (Built-in) N/A
Environment	Case Operating Temp -40 (Min), 25 (Typ), 85 (Max) °C
	Ambient Temp -20 (Min), 60 (Max) °C
	Storage Temp -40 (Min), 105 (Max) °C
	Humidity (Non-condensing) 95 (Max) %
Safety	Parameters Test Conditions or Description
	Safety Approvals EN 61000-6-3:2007/A1:2011/AC:2012 EN 55014-1:2006/A2:2011 EN 60950-1:2006/AC:2011
	Enclosures IP68
General	Dimensions (L x W x H) 154 x 130 x 50 mm
	Recommended Cable Input AWG#6, >1.5M / Output AWG#14, >2M
	Case Material Aluminium
	Net Weight 1.5kg
Accessories	Product Diagram 