

DC-DC Power Converter

SECURVIEW

VSPowCONVERTER4

11-32V to 56V 10A 560W Non-Isolated DC-DC Charger

FEATURES

- Wide input voltage 11V-32V, stable 56V output voltage
- Charges lithium and lead acid batteries
- 100% full rated power & stable output current, 95% efficiency
- IP68 epoxy-potted, anti-vibration chassis; surface mounting
- Over current and over voltage protection
- Over temp. shutdown and output short circuit protection
- Cooling by free air convection and efficient heatsink design
- EN 61000-6-3:2007/A1:2011/AC:2012 EN 55014-1:2006/A2:2011 EN 60950-1:2006/AC:2011

SPECIFICATIONS

VSPowCONVERTER4 (specifications measured at 25°C, nominal input voltage & full load unless otherwise noted)					
Input Voltage	Output Voltage	Output Current (Typical)	Output Power Max	Ripple & Noise (Typical)	Efficiency (Typical)
12-32VDC	56VDC	10A	560W	400 mVp-p	95%
Input					
Operating Input Voltage	11 (Min), 12-24 (Typ), 32 (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				
Temperature Coefficient	± 0.03 (Typ) % / °C				
Protection					
Output (Voltage protection)	115 (Min), 140 (Max) %				
Output (Short circuit protection)	Yes				
Current Limit (% of nominal Output Current)	110 (Min), 120 (Typ), 130 (Max) %				
Thermal Shutdown Case Temperature	80 (Typ) °C				
Cooling	Free air convection				
Fuse	Built-in; Please install correct fuse in input cable				
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					
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 (enclosure only, terminals exposed)				
General					
Dimensions (L x W x H)	154 x 130 x 50 mm				
Recommended Cable Specification	To avoid voltage drop: Input AWG6, >1.5M / Output AWG#14, >2M				
Case Material	Aluminium				
Net Weight	1.5kg				

