SHANGHAI GREEN TECH CO.,LTD.



SM-90V-10FUS SUPER CAPACITOR MODULE



FEATURES AND BENEFITS:

- ·Highest power density performance
- ·Individually balanced cells
- ·Ultra-low internal resistance
- •Over 1,000,000 duty cycles
- ·Voltage and temperature detection function

SPECIFICATIONS

10F +20% / -0% 90V 97.2V	
+20% / -0%	
90V	
97.2V	
91.∠ ₹	
750 V	
120 mΩ	
25 A	
230 A	
0.5 mA	
-40°C to +65°C	
-40 C 10 +63 C	
-40°C to +70°C	
8 kg	
Connector	
6mm2	
GB-T 11287-2000	
GBT 14537-1993	
IP20	
Temperature Switch	
Overvoltage Alarm	

TYPICAL APPLICATIONS:

- •Wind Turbine Pitch Systems
- ·Electric, hybrid cars
- •Rail brake energy recovery system
- · Locomotive Starting System
- ·Uninterruptible Power Supplies (UPS)

POWER AND ENERGY	
Usable power density (Pd)	1010W/kg
Impedance match power density (Pmax)	1680W/kg
Gravimetric energy density (Emax)	1.4Wh/kg
Energy available	11.2 Wh
LIFE	
High Temperature (at Rated Voltage & Maximum operating Temperature)	1,500 hours
Capacitance change (% decrease from minimum intial value)	€20%
ESR change (% increase from minimum intial value)	≤100%
Room Tmperature (at Rated Voltage at 25°C)	10 years
Capacitance change (% decrease from minimum intial value)	€20%
ESR change (% increase from minimum intial value)	≤100%
Cycle Life (Number of cycles)	>1000000
Capacitance change (% decrease from minimum intial value)	€20%
ESR change (% increase from minimum intial value)	≤100%
Shelf Life (Stored uncharged up to a maximum storage	2 years
SAFETY	_
Short circuit current (Isc) (Current possible with short circuit from rated voltage. Do not use as an operating current.)	7500A
Factory High-Pot Test	AC 2,500 V

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90V Module

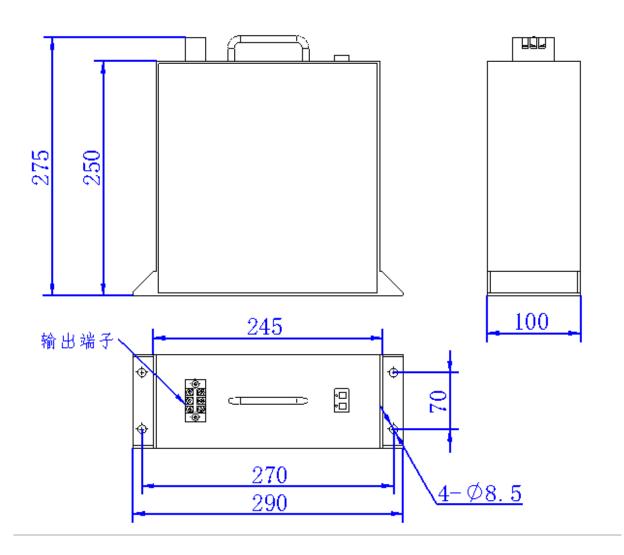
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Part Number.		Declare Overtity(Set)		
Part Number.	L (±0.5mm)	W (±0.5mm)	H (±0.5mm)	Package Quantity(Set)
SM-90V-10FUS	290. 0	100.0	275. 0	1

Product dimensions are for reference only unless otherwise identified. Product dimensions and specifications may change without notice. Please contact GT directly for any technical specifications critical to application. Page 2

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