SHANGHAI GREEN TECH CO.,LTD.

Datasheet

48V 36F Ultra capacitor Module



GTSM-48V36FUS



FEATURES AND BENEFITS

- Compact, fully enclosed splash proof design
- Highest power performance
- Individually balanced cells
- Over 1,000,000 duty cycles
- Ultra-low internal resistance

SPECIFICATIONS

ELECTRICAL		
Capacitance		
Nominal capacitance	36 F	
Capacitance tolerance	+20% / -10%	
Voltage		
Rated voltage	48 V	
Absolute Maximum Voltage	51 V	
Maximum Series Voltage	750 V	
Resistance		
ESR, DC	16mΩ	
Current		
Maximum continuous current (ΔT=40℃)	60 A	
Maximum peak current, 1 sec.	500A	
Maximum leakage current	1.8mA	
TEMPERATURE		
Operating temperature range	-40°C to +65°C	
(Cell case temperature)		
Storage temperature range	-40°C to +70°C	
(Storage uncharged)		
PHYSICAL		
Weight	8.5kg	
Power Terminals	M8/M10	
Recommended Torque - Terminal	20/30 Nm	
Vibration Specification	GB-T 11287-2000	
Shock Specification	GBT 14537-1993	
Environmental Protection	IP65	
MONITORING / CELL VOLTAGE MANAGEMENT		
Internal Temperature Sensor	NTC Thermistor	
Cell Voltage Monitoring	Overvoltage Alarm	

TYPICAL APPLICATIONS

- Electric vehicle
- Fork lift, Cranes
- Telecommunications
- Railway transportation
- Engine starting

2032 W/kg
4235 W/kg
1.36Wh/kg
11.5 Wh
1,500 hours
≤20%
≤100%
10 years
≤20%
≤100%
1,000,000 times
≤20%
≤100%
2 years
3000 A
1,500 V/DC



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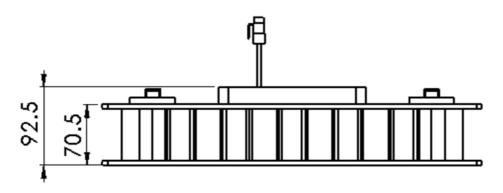
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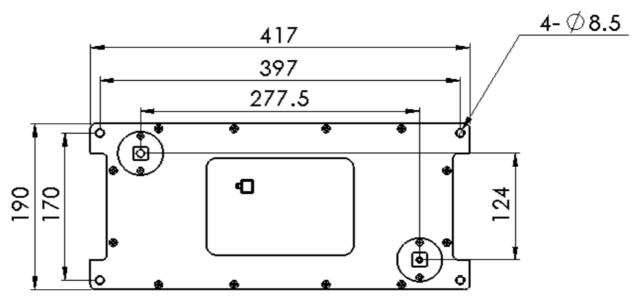
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Part Number	Dimension (mm)			Package Overtity(act)
Part Number	L (±0.5mm)	W (±0.5mm)	H (±0.5mm)	Package Quantity(set)
GTSM-48V36FUS	417.0	190.0	92.5	1

Product dimensions are for reference only unless otherwise specified. Product dimensions and specifications may change without notice.

Please contact GTCAP directly for any technical specifications critical to application.

