SHANGHAI GREEN TECH CO.,LTD.

Datasheet

48V 66F Ultra capacitor Module



GTSM-48V66FUS



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	66 F		
Capacitance tolerance	+20% / -10%		
Voltage			
Rated voltage	48 V		
Absolute Maximum Voltage 51 V			
Maximum Series Voltage	750 V		
Resistance			
ESR, DC	10.4mΩ		
Current			
Maximum continuous current (ΔT=40°C)	80 A		
Maximum peak current, 1 sec.	950A		
Maximum leakage current	2.5mA		
TEMPERATURE			
Operating temperature range	-40°C to +65°C		
(Cell case temperature)			
Storage temperature range	-40°C to +70°C		
(Storage uncharged)			
PHYSICAL			
Weight	10 kg		
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

2658 W/kg
5538 W/kg
2.1Wh/kg
21.1 Wh
1,500 hours
≤20%
≤100%
10 years
≤20%
≤100%
1,000,000 times
≤20%
≤100%
2 years
4000 A
1,500 V/DC



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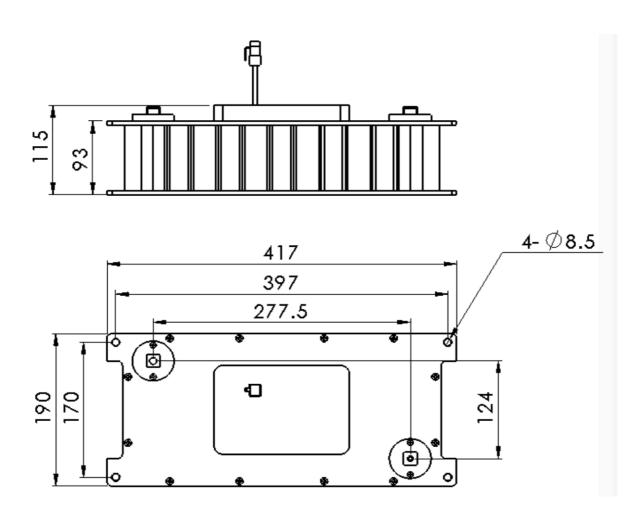
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Part Number	Dimension (mm)			Bookses Overtity(221)
Part Number	L (±0.5mm)	W (±0.5mm)	H (±0.5mm)	Package Quantity(set)
GTSM-48V66FUS	417.0	190.0	115.0	1

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.

