

# Marstech<sup>®</sup> Super Capacitor RANGE

## APPLICABLE FIELDS

Standby power supply  
 Uninterrupted power supply  
 Vehicles, Fork lift, Elevator  
 Generators start  
 Medical devices  
 Electricity transferring equipment



## PRODUCT FEATURES

Green Energy, no pollution, No toxic material  
 Fast charging: 95% capacity fully charged within 10 seconds to 10 minutes  
 Long cycling life: 10,000~500,000 changing/discharging cycles  
 High power density: 500W/Kg to 3000W/Kg, more than 5 times of power density of conventional batteries.  
 Wider range of operation temperature: -30°C ~+50°C  
 Storage period is almost 10 years  
 Design life more than 10 years

## CHARACTERISITCS

Operating Voltage per cell: 0.9~1.55V  
 Max. Voltage: 1.60V  
 Minimum Storage Voltage: 1.00V  
 Capacitance: 50000~200000F  
 Equivalent Serial Resistance: 0.55mΩ  
 Storage Energy: 36.0KJ  
 Max. Charge Current: 300A  
 Cycle Life: >50000 Cycles

Part Number	Voltage (V)	Capacity (F)	Storage Energy (KJ)	Inter Resistance (mΩ)	Dimensions L*W*H (mm <sup>3</sup> )	Weight (Kg)
MSC15V50000	0.95~1.52	50000	>30	<0.65	94×70×224	2.0
MSC15V80000	0.95~1.52	80000	>48	<0.55	98×80×260	3.1
MSC15V120000	0.95~1.52	120000	>72	<0.55	120×85×260	4.0
MSC15V200000	0.95~1.52	200000	>90	<0.55	100×155×260	6.5

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Marstech reserves the right to change or revise any information or detail given without prior notice