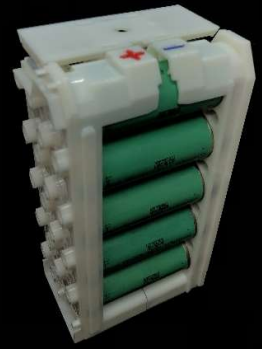


Re-chargeable Lithium-ion cell

High Capacity 6200mAh 201Wh/kg

TMEC26800HE001



MULTI-PURPOSE APPLICATIONS

Energy Storage systems for wind turbines, solar panels, power utilities, and hydro plants. **Mobile battery systems** for electric vehicles, scooters, drones, and robotics. **Power packs** for industrial applications such as remote monitoring systems, telecommunications, and power tools. **Drop-in replacement** solutions for 7Ah batteries used with gate & garage-door motors, alarm & automation systems.

TECHNOLOGY

One of the most successful Li-ion cell technologies in production today is a cathode combination of nickel-manganese-cobalt (NMC), also known as lithium-manganese-cobalt-oxide batteries. It has become the technology of choice by most leading producers.

FEATURES

The TMEC26800HE001 cell has a diameter of 26mm and a length of 80mm, but the cell has a capacity of 6200mAh and an energy density of over 200Wh/kg. This is almost double the capacity that traditional 18650 cells offer. The cell weighs only 111 grams, thus reduces overall product weight and logistics costs.

SAFETY

TMEC cells are designed as structurally safe with end-contact cooling pads to increase cooling efficiency and with reduced thermo-runaway power. The cell has a built-in fail-safe feature through special bonding technologies. The electrodes are engineered for lower impedances and an even current distribution.

SPECIFICATIONS

Typical Capacity	6200mAh	0.5C discharge capacity
Minimum Capacity	6100mAh	0.5C discharge capacity
Energy Density	201Wh/kg	
Nominal Voltage	3.6V	
End-of-charge Voltage	4.20V	At CC mode
End-of-discharge Voltage	2.75V	At CC mode
Internal Impedance	≤12mΩ	By AC 1kHz
Max Continuous Discharge current	1.5C	10A
End-of-charge Current	0.05C	At CV mode
Standard charge method	0.5 C CC/CV	180min
Cycle Life	≥2000 cycles	1C Continual Discharge (100% DOD)
Charging Temperature	0~45°C	Ambient temperature (Cell skin temperature must be <65°C)
Discharging Temperature	-20~60°C	Ambient temperature (Cell skin temperature not exceed 80°C)
Storage Temperature	-20~45°C	Recommended temperature range for long-term storage is -10 ~ +20°
Cell Weight	111.0±3.0g	
Cell Dimensions	D:26mm x L:80mm	Cylindrical construction

