

Electrical toy car battery series 6FM4.5 (12V4.5Ah)

LONGWAY Brand toy car batteries are specially designed and developed for children's electric strollers, electric scooters and other toy cars. It uses special lead paste formula and Internalized formation production process to ensure that the battery has the advantages of long cycle life, low self-discharge rate and strong storage capacity. Products meet the requirements of IEC and DOE energy efficiency standards, pass UL, CE, RoHS certification, and can be shipped by sea or air.

(It is recommended to recharge after storage for 6 months or before use)



General Feature	Applications
High reliability, safe without leakage, can be used in any position	Children's electric car with three-wheels
Excellent recovery performance after deep discharge	Children's electric cars
Environmentally friendly products	Children's drift cars
Meet EU battery directive RoHS and REACH standards	Children's electric karts
Maintenance free	Electric scooter
• Widely applicable temperature range, can be used at -20 $^\circ\!\mathrm{C}{\sim}60^\circ\!\mathrm{C}$	Electric balance car
Long Storage time. Battery with full state of charge under room	And other electric toys, electric tools etc
temperature, after 6-12 months storage, it can be used & recovered	

Performance		Dimensions
Nominal Voltage	12V (6cell)	
Capacity	@25°C	
20hr Rate (0.22A)	4.95Ah @ to 1.75V/cell	102
3hr Rate (1.22A)	3.37Ah @ to 1.70V/cell	
27min Rate (4.50A)	2.77Ah @ to 1.60V/cell	
Weight	Approx (1. 48±3%)kg (3.26lbs)	90
Internal Resistance	Approx30.0m Ω fully charged @25 °C	
Maximum Discharge Current	55A(3sec)	
Terminal	F1/F2	Lenght 90.0mm 3.54inch
Operating Temperature	Discharge:-20℃~60℃;Charge:0℃-50℃	Width 70.0mm 2.76inch
Range Storage:-20 °C~40 °C	Height 102.0mm 4.02inch	
Container Material	ABS(UL94 HB)/UL94-V0 Optional	Total height 107.0mm 4.21inch

Battery use

Cycle use

- 1.Limit the initial charging current to no more than 1.35A
- 2.Keep charging voltage at14.40-15.00V/unit, and continue charging at least 3 hours after the charging current reduces to 0.09A to ensure full charge
- 3.The compensation coefficient of charging voltage and temperature is -5mv/cell / $\!\!\!^{\circ}\!\!\!^{\circ}$

Float use

- 1.Limit the initial charging current to no more than 1.35A
- 2. Keep charging voltage at 13.50-13.80V/unit. When the voltage reaches the constant voltage
- the current gradually decreases until the battery is fully charged and continues to charge
- 3.The compensation coefficient of charging voltage and temperature is -3mv/cell / $^\circ\!\mathrm{C}$



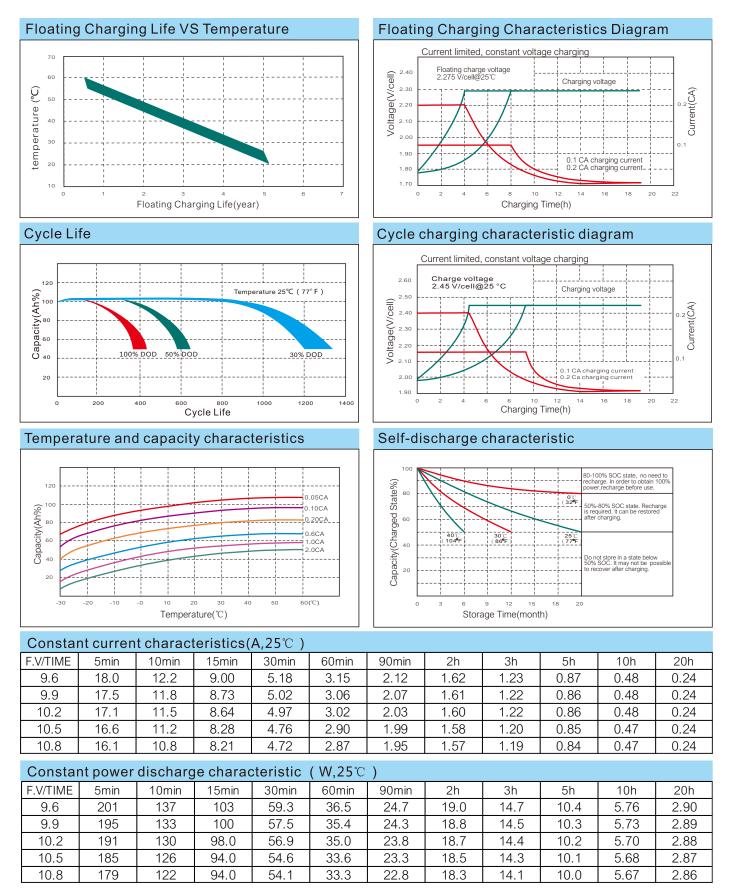
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Note: This information usually describes use only and is not intended to make any warranties or promises regarding the battery, Battery specifications and battery design are subject to change without prior notice. Please contact LONGWAY Battery for the latest information.



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