



Electrical toy car battery series

6FM9 (12V9Ah)




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.



General Feature	Applications
<ul style="list-style-type: none"> High reliability, safe without leakage, can be used in any position Excellent recovery performance after deep discharge Environmentally friendly products Meet EU battery directive RoHS and REACH standards Maintenance free Widely applicable temperature range, can be used at -20°C~60°C Long Storage time. Battery with full state of charge under room temperature, after 6-12 months storage, it can be used & recovered (It is recommended to recharge after storage for 6 months or before use) 	<ul style="list-style-type: none"> Children's electric car with three-wheels Children's electric cars Children's drift cars Children's electric karts Electric scooter Electric balance car And other electric toys, electric tools etc

Performance	Dimensions												
Nominal Voltage 12V (6cell)													
Capacity @25°C													
20hr Rate (0.45A) 9.00Ah @ to 1.75V/cell													
3hr Rate (2.25A) 6.75Ah @ to 1.70V/cell													
27min Rate (9.00A) 5.40Ah @ to 1.60V/cell													
Weight Approx (2.58±3%)kg (5.69lbs)													
Internal Resistance Approx 16.8mΩ fully charged @25°C													
Maximum Discharge Current 100A(3sec)													
Terminal F1/F2													
Operating Temperature Range Discharge:-20°C~60°C; Charge:0°C~50°C Storage:-20°C~40°C	<table border="1"> <tr> <td>Lenght</td> <td>151.0mm</td> <td>5.94inch</td> </tr> <tr> <td>Width</td> <td>65.5mm</td> <td>2.58inch</td> </tr> <tr> <td>Height</td> <td>94.0mm</td> <td>3.70inch</td> </tr> <tr> <td>Total height</td> <td>100.0mm</td> <td>3.94inch</td> </tr> </table>	Lenght	151.0mm	5.94inch	Width	65.5mm	2.58inch	Height	94.0mm	3.70inch	Total height	100.0mm	3.94inch
Lenght	151.0mm	5.94inch											
Width	65.5mm	2.58inch											
Height	94.0mm	3.70inch											
Total height	100.0mm	3.94inch											
Container Material ABS(UL94 HB)/UL94-V0 Optional													

Battery use
Cycle use <ol style="list-style-type: none"> Limit the initial charging current to no more than 2.70A Keep charging voltage at 14.40-15.00V/unit, and continue charging at least 3 hours after the charging current reduces to 0.18A to ensure full charge The compensation coefficient of charging voltage and temperature is -5mv/cell /°C
Float use <ol style="list-style-type: none"> Limit the initial charging current to no more than 2.70A 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 The compensation coefficient of charging voltage and temperature is -3mv/cell /°C




 Kaiying Power Supply & Electrical Equip Co., Ltd Email: sales@longwaybattery.com
 Tel:0595-68782266 Fax:0595-68782222 Website: <http://www.longwaybattery.com>
 Add: Kaiying IndustrialArea, Chengxiang Town, Anxi, Quanzhou, Fujian Province, China
 KY-IOP-LW12-9 B0.May 2023

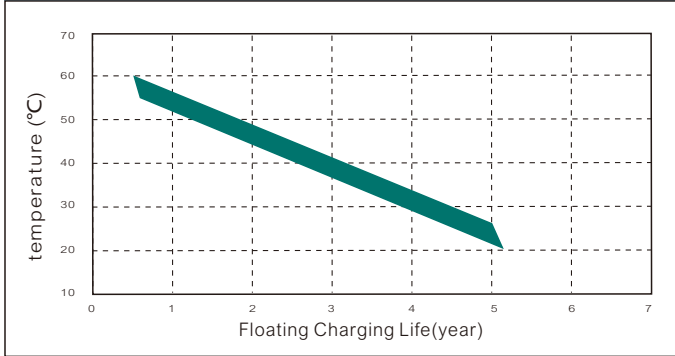
Note: This information usually describes use only and is not intended to make any warranties or promises regarding the battery, Battery specifications and battery design are subject to change without prior notice. Please contact LONGWAY Battery for the latest information.



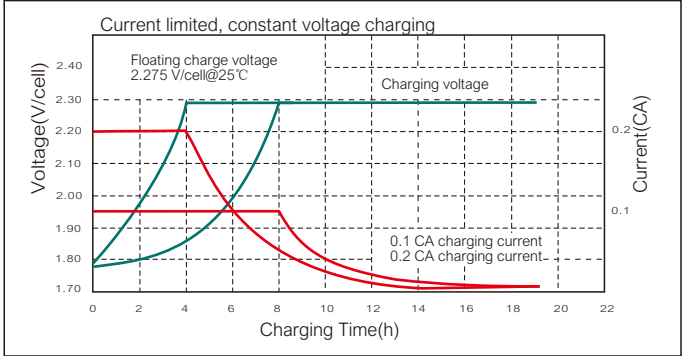
Electrical toy car battery series

6FM9 (12V9Ah)

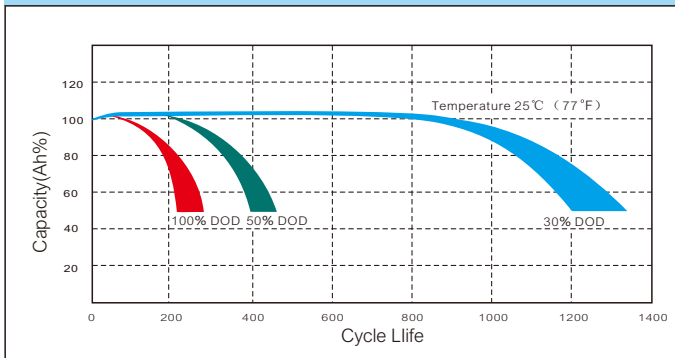
Floating Charging Life VS Temperature



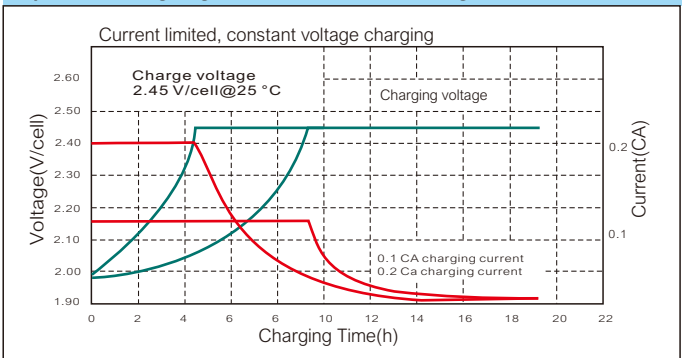
Floating Charging Characteristics Diagram



Cycle Life



Cycle charging characteristic diagram



Temperature and capacity characteristics



Self-discharge characteristic



Constant current characteristics(A,25°C)

F.V/TIME	5min	10min	15min	30min	60min	90min	2h	3h	5h	10h	20h
9.6	33.3	21.6	15.3	9	5.4	4.14	3.29	2.33	1.55	0.84	0.44
9.9	32.3	21	14.8	8.73	5.24	4.06	3.26	2.31	1.54	0.84	0.44
10.2	31.6	20.5	14.7	8.64	5.18	3.97	3.24	2.3	1.53	0.83	0.43
10.5	30.6	19.9	14.1	8.28	4.97	3.89	3.21	2.27	1.51	0.83	0.43
10.8	29.7	19.3	14	8.21	4.92	3.81	3.18	2.25	1.5	0.83	0.43

Constant power discharge characteristic (W,25°C)

F.V/TIME	5min	10min	15min	30min	60min	90min	2h	3h	5h	10h	20h
9.6	372	244	174	103	62.5	48.4	38.5	27.7	18.5	10.1	5.26
9.9	360	236	169	100	60.7	47.5	38.1	27.4	18.4	10.0	5.24
10.2	353	231	167	99.0	60.0	46.5	37.9	27.3	18.3	10.0	5.22
10.5	342	224	160	94.9	57.5	45.5	37.5	27.0	18.1	9.96	5.19
10.8	332	218	159	94.1	57.0	44.6	37.1	26.7	17.9	9.94	5.18



Kaiying Power Supply & Electrical Equip Co., Ltd Email: sales@longwaybattery.com
 Tel:0595-68782266 Fax:0595-68782222 Website: <http://www.longwaybattery.com>
 Add: Kaiying IndustrialArea, Chengxiang Town, Anxi, Quanzhou, Fujian Province, China
 KY-IOP-LW12-9 B0.May 2023

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.