



# Sound/Speaker System Battery

## 9FM7 (18V7Ah)

LONGWAY speaker batteries are designed and developed according to the characteristics of instant large current, deep discharge, easy over-discharge and high-frequency vibration required in the use of speaker. The product has the advantages of long cycle life, good performance of large current discharge, low self-discharge rate, strong recovery ability of over-discharge, strong anti-vibration ability, etc., which can meet the special performance requirements of speaker batteries. Products pass UL, CE, RoHS certification, and can be shipped by sea or air.



General Feature	Applications
<ul style="list-style-type: none"> <li>High reliability, safe without leakage, can be used in any position</li> <li>Excellent recovery performance after deep discharge</li> <li>Environmentally friendly products Meet EU battery directive RoHS and REACH standards</li> <li>Maintenance free</li> <li>Widely applicable temperature range, can be used at -20°C~60°C</li> <li>Low self-discharge rate. The average monthly self-discharge rate of the battery is less than 2.5% (It is recommended to recharge after storage for 6 months or before use)</li> </ul>	<ul style="list-style-type: none"> <li>Outdoor battery speaker</li> <li>Portable video speaker</li> <li>Outdoor song on-demand stereo</li> <li>Wireless Bluetooth speaker</li> <li>Wireless line array speaker</li> <li>Square dance speaker</li> <li>And company meeting, wedding hosting, outdoor activities and other audio</li> </ul>

Performance	Dimensions																																		
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Battery use
<b>Cycle use</b> <ol style="list-style-type: none"> <li>Limit the initial charging current to no more than 2.10A</li> <li>Keep charging voltage at 21.60-22.50 V/unit, and continue charging at least 3 hours after the charging current reduces to 0.14A to ensure full charge</li> <li>The compensation coefficient of charging voltage and temperature is -5mv/cell /°C</li> </ol>
<b>Float use</b> <ol style="list-style-type: none"> <li>Limit the initial charging current to no more than 2.10A</li> <li>Keep charging voltage at 20.25-20.70 V/unit. When the voltage reaches the constant voltage the current gradually decreases until the battery is fully charged and continues to charge</li> <li>The compensation coefficient of charging voltage and temperature is -3mv/cell /°C</li> </ol>

			Kaiying Power Supply & Electrical Equip Co., Ltd    Email: <a href="mailto:sales@longwaybattery.com">sales@longwaybattery.com</a> Tel:0595-68782266 Fax:0595-68782222    Website: <a href="http://www.longwaybattery.com">http://www.longwaybattery.com</a> Add: Kaiying Industrial Area, Chengxiang Town, Anxi, Quanzhou, Fujian Province, China KY-IOP-LW18-7 B0.May 2023
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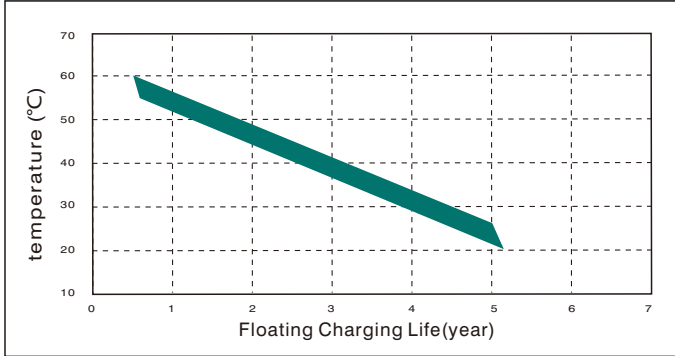
Note: This information usually describes use only and is not intended to make any warranties or promises regarding the battery, Battery specifications and battery design are subject to change without prior notice. Please contact LONGWAY Battery for the latest information



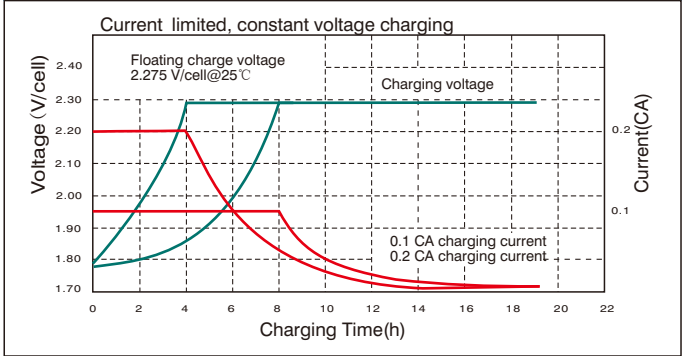
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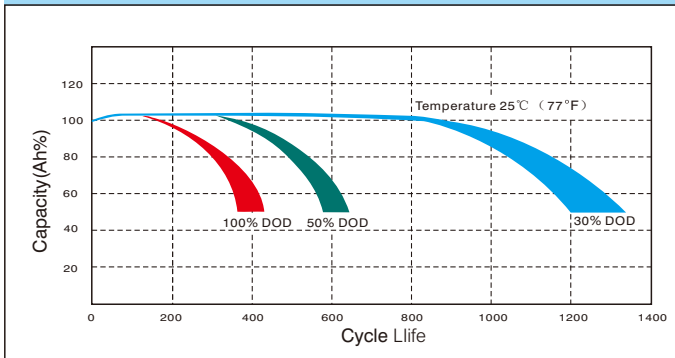
### Floating Charging Life VS Temperature



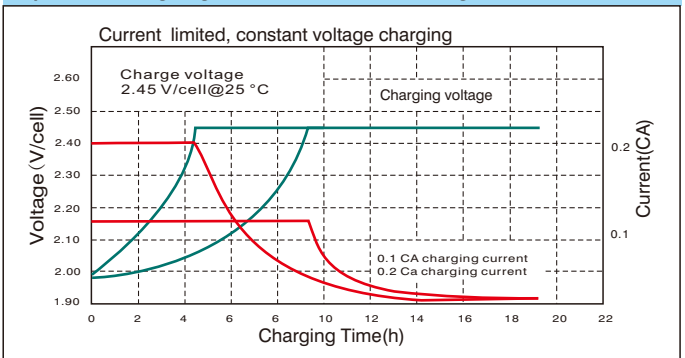
### Floating Charging Characteristics Diagram



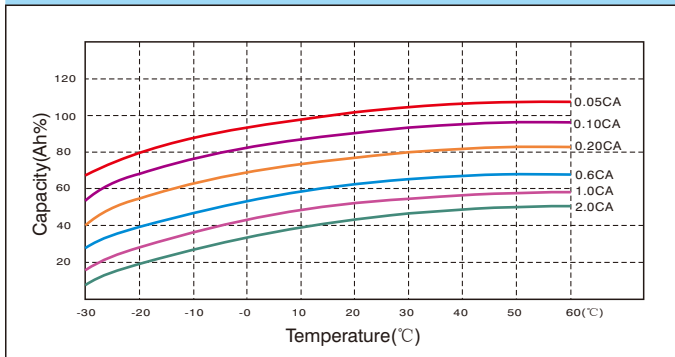
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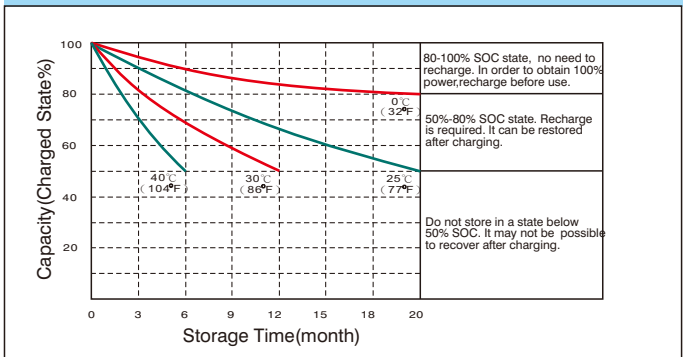
### Cycle charging characteristic diagram



### 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
14.40	26.6	17.5	12.6	7.70	4.80	3.40	2.52	1.88	1.24	0.67	0.38
14.85	25.8	17.0	12.2	7.47	4.65	3.33	2.50	1.86	1.23	0.67	0.37
15.30	25.3	16.6	12.1	7.39	4.60	3.26	2.49	1.86	1.23	0.67	0.37
15.75	24.5	16.1	11.6	7.08	4.41	3.19	2.46	1.84	1.21	0.67	0.37
16.20	23.8	15.6	11.5	7.02	4.37	3.12	2.44	1.82	1.20	0.67	0.37

### Constant power discharge characteristic (W,25°C)

F.V/TIME	5min	10min	15min	30min	60min	90min	2h	3h	5h	10h	20h
14.40	445	293	211	129	80.3	56.8	42.2	31.5	20.8	11.3	6.30
14.85	432	284	205	125	77.9	55.7	41.8	31.2	20.6	11.2	6.27
15.30	423	278	202	124	77.1	54.6	41.6	31.1	20.5	11.2	6.25
15.75	410	270	194	119	73.8	53.4	41.2	30.7	20.3	11.2	6.22
16.20	398	262	192	118	73.2	52.3	40.8	30.4	20.1	11.1	6.21



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