

Sealed batteries

HRL12-100



Advantages

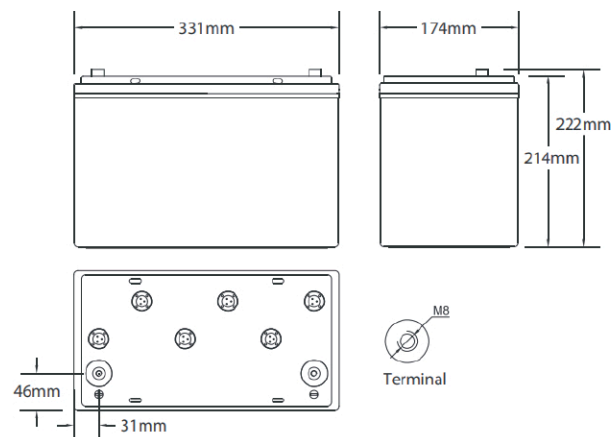
- High level of reliability and stability of parameters
- High charge rate, low self-discharge
- Long service life

Features

- Corrosion-resistant alloy and plate stamping
- Unique double-sided smearing technology, plate welding and other technologies
- Durable ABS plastic and special assembly technology guarantee normal operation without leaks, geometry changes and tears

Technical specifications	
Rated voltage	12 V
Rated capacity	103 Ah
Weight	32 kg
Output Type	M8
Internal resistance	3.0 mΩ
Recommended charging current	15 A
Charging voltage	Floating: 2.23 V/ell Leveling tools: 2.35 V/ell
Operating temperature range	Discharge: -40°C ~ 50°C Charge: -20°C ~ 45°C Keeping: -20°C ~ 40°C
Housing material	ABS/ABS V0 (option)
Service life	15 years

Sizes



Characteristics of a constant-power discharge at 25°C, W/element

Final voltage, V/ell	Discharge time, min											
	5	10	15	20	25	30	60	90	2 h	3 h	6 h	10 h
1.60V	740	547	450	365	315	255	149.0	109.2	86.2	60.0	33.2	21.7
1.67V	690	535	440	360	308	246	143.0	105.8	82.7	58.3	33.0	21.6
1.70V	650	530	435	354	306	241	142.0	98.5	77.2	57.6	32.9	21.5
1.75V	600	515	410	344	304	231	137.0	97.4	75.6	57.2	32.7	21.4
1.80V	539	440	390	300	250	217	129.0	92.7	73.0	57.1	32.6	21.3
1.85V	479	402	350	270	216	203	122.0	88.8	72.4	56.4	32.3	21.0

Characteristics of direct current discharge at 25°C, A

Final voltage, V/ell	Discharge time, min											
	5	10	15	20	25	30	60	90	2 h	3 h	6 h	10 h
1.60V	444	309	237	192	164	138	79.8	56.0	44.0	30.0	16.1	10.5
1.67V	399	286	224	183	154	131	76.1	54.0	42.0	29.0	16.0	10.4
1.70V	377	275	216	178	150	128	73.2	50.0	39.0	28.5	15.9	10.3
1.75V	337	260	204	169	145	122	70.2	49.2	38.0	28.2	15.8	10.2
1.80V	296	233	194	149	122	112	65.7	46.6	36.5	28.0	15.6	10.1
1.85V	255	211	172	132	107	104	61.7	44.4	36.0	27.5	15.4	9.9