

Sealed batteries

HRL12-200



Advantages

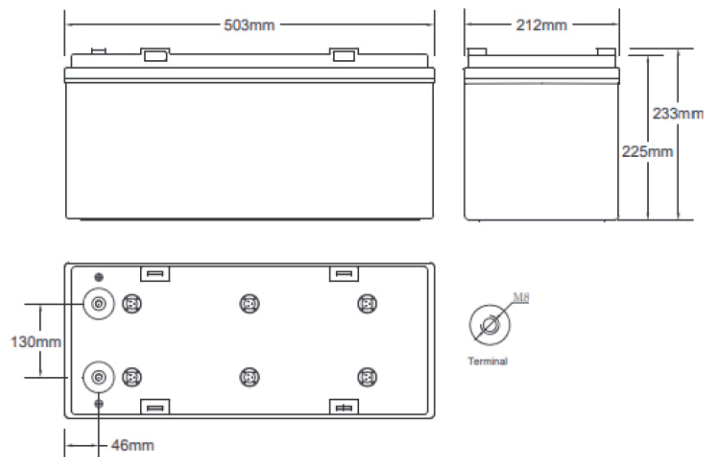
- High level of reliability and stability of parameters
- High charge rate, low self-discharge
- Long service life

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	202 Ah
Weight	61 kg
Output Type	M8
Internal resistance	1.8 mΩ
Recommended charging current	30 A
Charging voltage	Floating: 2.23 V/El Leveling tools: 2.35 V/El
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/El	Discharge time, min											
	5	10	15	20	25	30	60	90	2 h	3 h	6 h	10 h
1.60V	1020	1010	810	638	555	415	249.1	184.5	148.1	114.6	69.8	42.8
1.67V	1010	1000	800	633	550	411	245.0	181.8	146.8	113.4	69.4	42.4
1.70V	1000	980	750	630	547	408	242.4	179.1	144.1	111.3	69.0	41.2
1.75V	956	936	700	624	542	400	239.7	176.4	143.0	110.3	68.4	40.8
1.80V	785	715	660	480	392	354	232.9	175.0	142.7	109.6	67.7	40.6
1.85V	776	693	600	430	368	335	218.1	168.3	141.4	108.5	65.2	40.4

Characteristics of direct current discharge at 25°C, A

Final voltage, V/El	Discharge time, min											
	5	10	15	20	25	30	60	90	2 h	3 h	6 h	10 h
1.60V	543	500	389	320	260	235	137.3	92.4	80.0	57.7	33.5	20.5
1.67V	523	492	385	315	257	231	134.6	91.1	79.0	57.2	33.2	20.4
1.70V	510	480	383	310	255	226	133.3	88.0	77.0	56.0	32.9	20.2
1.75V	465	455	358	300	250	215	126.7	86.1	76.0	55.2	32.6	20.1
1.80V	424	350	333	230	200	187	123.4	84.2	75.0	54.6	32.1	20.0
1.85V	400	340	302	210	181	173	112.6	79.7	73.0	53.6	30.8	19.8