

Sealed batteries

HRL12-180



Advantages

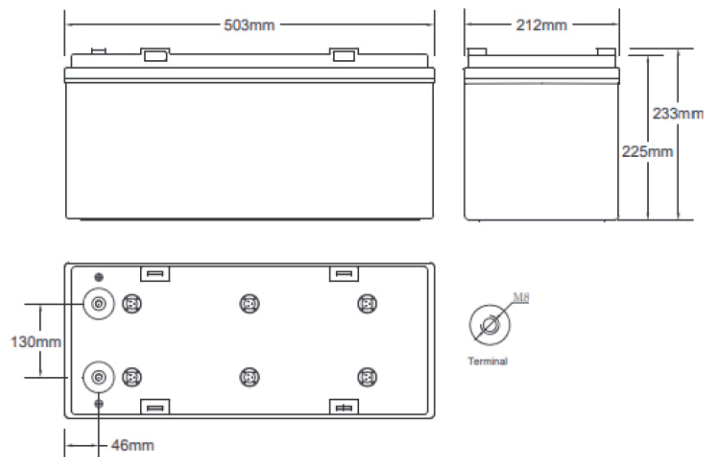
- High level of reliability and stability of parameters
- High charge rate, low self-discharge
- Long service life

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	183 Ah
Weight	58.1 kg
Output Type	M8
Internal resistance	2.2 mΩ
Recommended charging current	27 A
Charging voltage	Floating: 2.23 V/element Leveling tools: 2.35 V/element
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/element	Discharge time, min											
	5	10	15	20	25	30	60	90	2 h	3 h	6 h	10 h
1.60V	897	849	709	558	486	363	217.9	161.4	129.6	100.3	61.1	37.4
1.67V	884	840	700	554	481	359	214.4	159.0	128.5	99.2	60.7	37.1
1.70V	875	812	656	551	479	357	212.1	156.7	126.1	97.4	60.3	36.1
1.75V	837	793	633	546	474	350	209.7	154.3	126.0	96.5	59.9	35.7
1.80V	687	626	578	420	343	310	203.8	153.2	124.9	95.9	59.3	35.5
1.85V	679	607	525	376	322	293	190.9	147.3	123.7	94.9	57.1	35.3

Characteristics of direct current discharge at 25°C, A

Final voltage, V/element	Discharge time, min											
	5	10	15	20	25	30	60	90	2 h	3 h	6 h	10 h
1.60V	488	450	350	288	234	211	123.6	83.2	72.0	51.9	30.1	18.5
1.67V	470	443	347	284	231	208	121.2	82.0	71.1	51.5	29.9	18.4
1.70V	459	432	345	279	230	203	120.0	79.2	69.3	50.4	29.6	18.3
1.75V	419	410	322	270	225	193	114.0	77.5	68.4	49.7	29.3	18.2
1.80V	381	315	299	207	180	169	111.1	75.8	67.5	49.1	28.9	18.0
1.85V	360	306	272	189	163	156	101.3	71.8	65.7	48.2	27.7	17.8