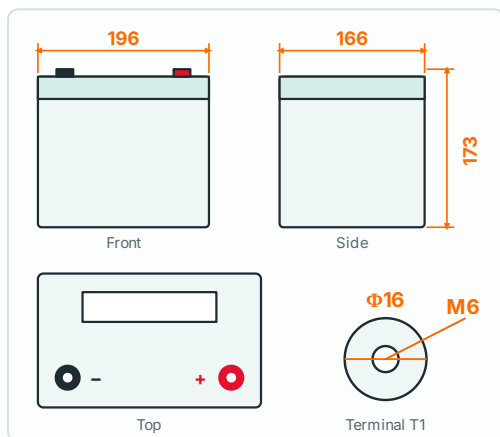




Container color: Black Grey

Dimensions Unit: mm

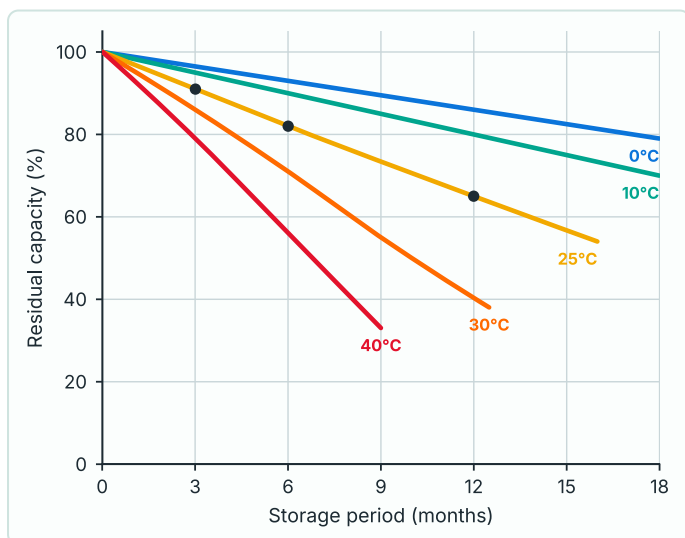


196 (L) × 166 (W) × 173 (H) · tolerance ±2 mm

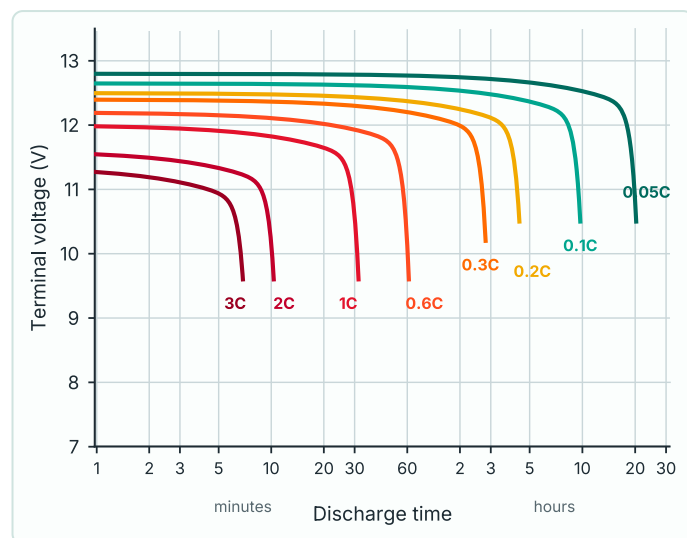
Specification

Nominal Voltage	12 V			
Capacity (25°C)	20 hour rate (2.0 A): 40 Ah			
Discharge Current Testing (25°C)	20·I ₂₀ rate (40 A)	33 min		
	60·I ₂₀ rate (120 A)	7 min		
Internal Resistance	Full charged battery, 25°C: 9 mΩ			
Capacity Affected by Temperature	40°C	104%	25°C	100%
	0°C	83%	-15°C	65%
Residual Capacity (25°C)	After 3 months storage	91%		
	After 6 months storage	82%		
	After 12 months storage	65%		
Charge (Constant Voltage)	Cycle (25°C)	Initial current less than 12 A		
	Float (25°C)	Voltage 14.5–14.9 V		
		Charge voltage 13.6–13.8 V		
Terminal Type	T1 (M6, Φ16)			
Weight ±3%	12.6 kg			
Dimensions	196 × 166 × 173 mm (±2)			

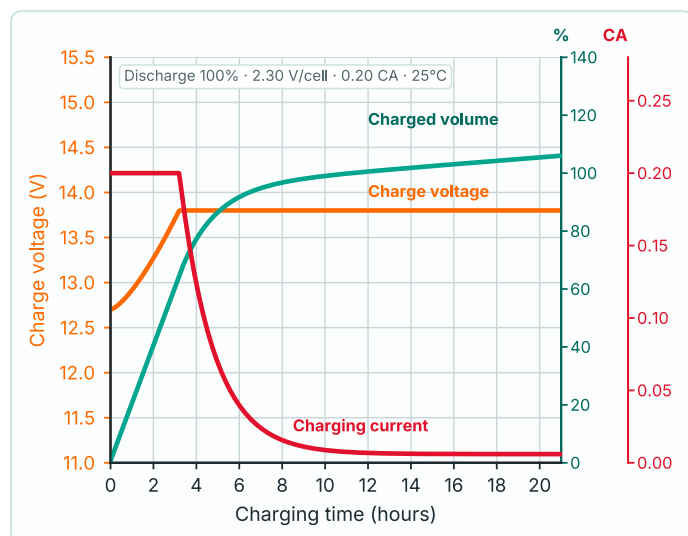
Residual capacity



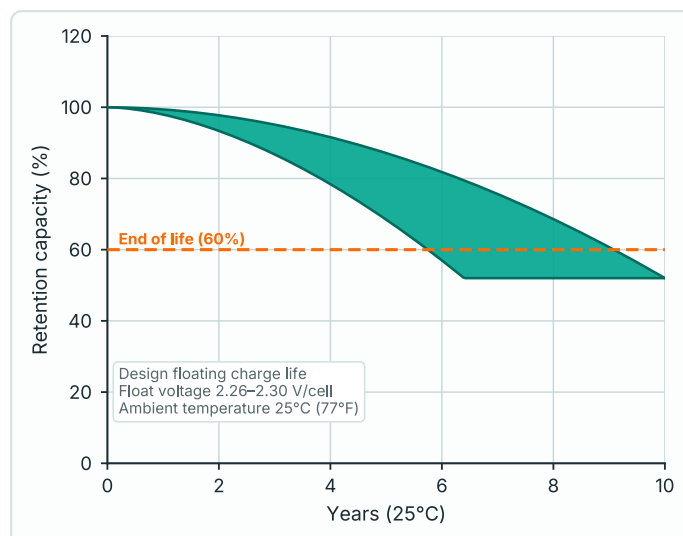
Discharge characteristic (25°C)



Constant voltage charging characteristics



Float life



Constant Current Discharge Characteristics

Unit: A (25°C)

F.V / Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	125.6	82.5	62.8	51.2	40.0	23.8	13.9	10.6	8.60	7.20	4.85	4.10	2.15
10.02V	118.5	79.6	61.1	50.0	38.9	23.2	13.8	10.5	8.50	7.13	4.76	4.07	2.12
10.20V	115.2	78.4	60.3	49.4	38.3	23.0	13.7	10.4	8.45	7.10	4.74	4.05	2.11
10.50V	107.6	74.3	58.8	48.4	37.2	22.6	13.6	10.2	8.35	7.03	4.67	4.00	2.08
10.80V	98.5	69.8	57.3	47.0	36.1	22.2	13.4	10.0	8.25	6.95	4.60	3.93	2.05

Constant Power Discharge Characteristics

Unit: W (25°C)

F.V / Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	1311.2	882.8	703.6	573.4	450.0	271.3	161.0	124.0	101.1	85.0	57.6	49.0	25.9
10.02V	1246.6	855.7	687.4	562.5	437.6	264.5	160.1	122.9	99.9	84.1	56.5	48.6	25.5
10.20V	1228.0	850.6	684.6	558.2	430.9	262.2	159.0	121.7	99.3	83.8	56.3	48.4	25.4
10.50V	1162.1	813.6	673.5	549.3	418.5	257.6	157.6	119.3	98.1	83.0	55.5	47.8	25.1
10.80V	1093.6	781.8	656.2	535.8	405.8	253.1	155.6	117.0	96.9	82.0	54.6	46.9	24.7

Capacity Factors With Different Temperature

Battery 12V

Temperature	-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Capacity	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

