



QUIMO Specification QM100-12

Model	QM100-12
Nominal Voltage	12V
Shell Material	ABS
type of battery	Deep cycle power battery
Shell Color	gray



Specification Model Parameters

Model	Nominal Voltage (V)	Number of monomer	Terminal type	Dimensions (mm)				Reference weight (kg)
				length	width	height	Overall height	
QM100-12	12	6	M6*20	306	168	208	212	30

Discharge performance parameter

Model	discharge time(min)		battery capacity (Ah)				100hr Electricity (kWh)
	25A	75A	3hr	5hr	10hr	20hr	
QM100-12	225	61	90.5	100	109.55	115.27	1.45

Charge Parameters(Based on charging parameters at 25℃)

system voltage	12V	24V	36V	48V	temperature compensation index
Constant charge voltage (V)	14.8	29.6	44.4	59.2	Taking 25℃ as the reference temperature, the voltage adjustment coefficient $\pm 3\text{mV}/(^{\circ}\text{C}\cdot 2\text{V})$; (Charging voltage decreases when the temperature increases, otherwise it increases)
floating charge voltage (V)	13.8	27.6	41.4	55.2	
Standard Charge Circuit (A)	13				

Discharge current characteristics at different rates (25℃)/ (A)

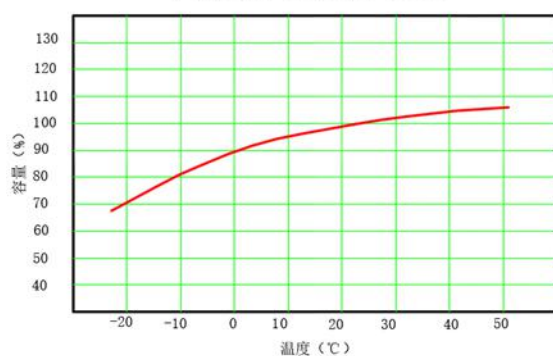
cut-off voltage (V) / time	30MIN	60MIN	90MIN	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60	141.80	75.95	53.93	42.17	30.47	24.14	20.20	13.43	11.06	5.82
1.65	141.24	75.65	53.72	42.00	30.35	24.04	20.12	13.38	11.02	5.80
1.70	140.82	75.43	53.56	41.88	30.26	23.97	20.06	13.34	10.99	5.78
1.75	140.40	75.20	53.40	41.75	30.17	23.90	20.00	13.30	10.96	5.76
1.80	139.70	74.82	53.13	41.54	30.02	23.78	19.90	13.23	10.90	5.73
1.85	139.28	74.60	52.97	41.42	29.93	23.71	19.84	13.19	10.87	5.72

Discharge at different rates to 1.75V/ monomer capacity (discharge characteristics at 25℃)/ (Ah)

Discharge Rate	0.50	1.00	1.50	2.00	3.00	4.00	5.00	8.00	10.00	20.00
capacity (Ah)	70.20	75.20	80.10	83.50	90.50	95.60	100.00	106.41	109.55	115.27

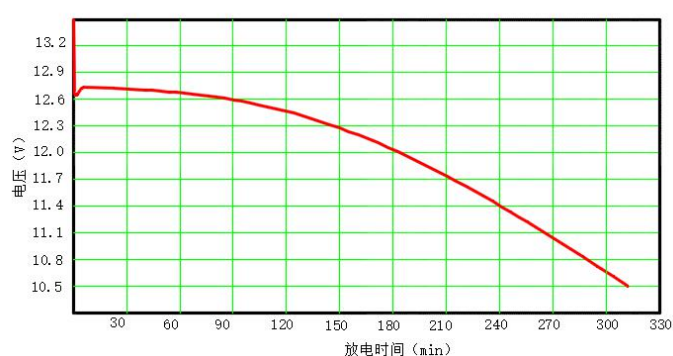
Capacity curves at different temperatures

不同温度下容量曲线 (5hr)

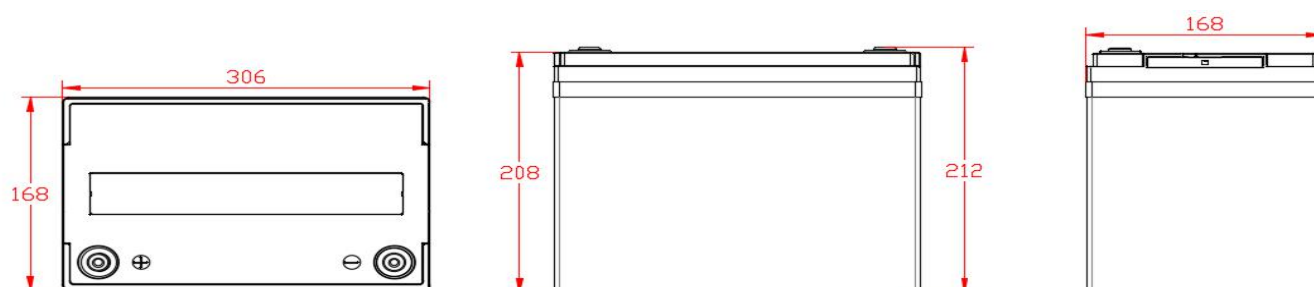


discharge curve

放电曲线 (5hr/25℃)



Outline design drawing of battery



Quimo Battery reserves the right to make adjustments to this publication at any time without prior notice or liability.