

MODEL QM85-12
VOLTAGE 12
CAPACITY 85Ah @ 5Hr
MATERIAL ABS
BATTERY AGM Deep Cycle Power Battery
COLOR Grayish White
WATERING No Watering Required



12 VOLT

PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	TERMINAL TYPE	DIMENSIONS ^c INCHES (mm)			WEIGHT ^d LBS. (kg)	HANDLES	INSTALLATION ORIENTATION
			LENGTH	WIDTH	HEIGHT ^f			
--	QM85-12	M6*20	10.31(262)	6.69 (170)	8.50 (216)	57(26)	Embedded	Vertical

ELECTRICAL SPECIFICATIONS

VOLTAGE	CRANKING PERFORMANCE		CAPACITY ^a MINUTES		CAPACITY ^b AMP-HOURS (Ah)				ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)
	C.C.A. ¹ @0°F	C.A. ² @32°F	@ 25 Amps	@ 56 Amps	5-Hr	10-Hr	20-Hr	100-Hr			
12	-	-	195	72	85	91.8	97.5	108	1.3	6.0	2000

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)				
SYSTEM VOLTAGE	12V	24V	36V	48V
Maximum Charge Current (A)	15% of C _s			
Absorption Voltage (2.47 V/cell)	14.8	29.6	44.4	59.2
Float Voltage (2.30V/cell)	13.8	27.6	41.4	55.2
Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.				

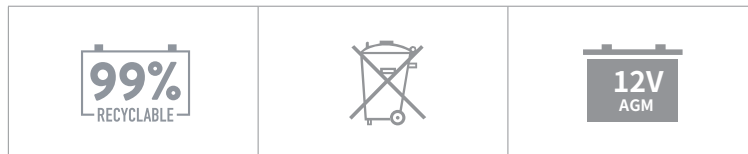
CHARGING TEMPERATURE COMPENSATION

ADD	SUBTRACT
0.003 volt per cell for every 1°C below 25°C 0.0017 volt per cell for every 1°F below 77°F	0.003 volt per cell for every 1°C above 25°C 0.0017 volt per cell for every 1°F above 77°F

OPERATIONAL DATA

OPERATING TEMPERATURE	SELF DISCHARGE
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 80%.	5 - 15% per month depending on storage temperature conditions.

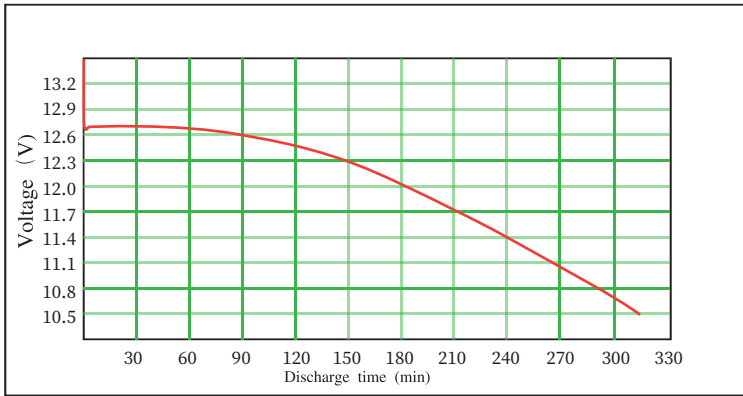
RECYCLE RESPONSIBLY



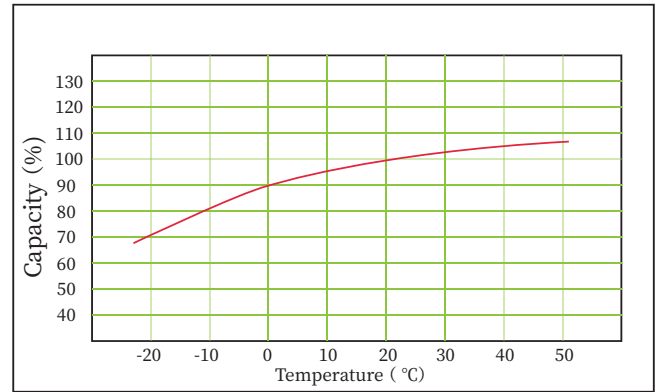
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	CELL	12 VOLT
100	2.20	13.20
75	2.13	12.78
50	2.07	12.42
25	2.01	12.06
0	1.95	11.70

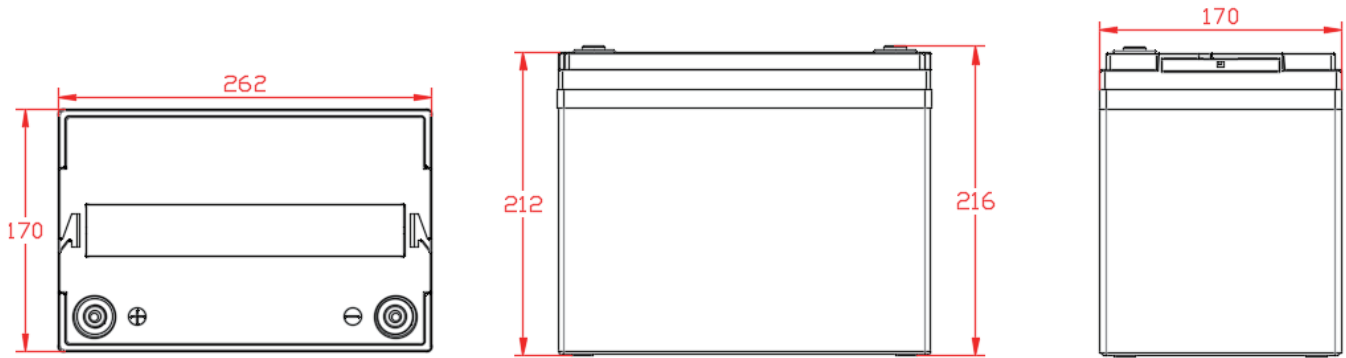
QUIMO QM85-12 PERFORMANCE(5Hr)



PERCENT CAPACITY VS. TEMPERATURE(5Hr)



BATTERY DIMENSIONS (shown with M6)



TERMINAL TYPE ^G

1	M6
	<p>Battery Height with Terminal in Inches (mm) 8.50 (216)</p> <p>Screw hole size (mm) M6*20</p>

2	M6
	<p>Bolt Size (mm) M6*16</p> <p>Torque Values in-lb (Nm) 70~100 (8~12)</p>

- A. The number of minutes a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- B. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- C. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.

- D. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
- E. Terminal images are representative only.
- F. Batteries in storage should be charged when they decline to 75% State of Charge (SOC).
- G. Weight may vary.



Hotline: 0513-88153000 +8618362180999
E-mail: quimobattery@163.com Website: www.quimobattery.com

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