DATA SHEET

Q-105

MODEL	Q-105
VOLTAGE	6
CAPACITY	210Ah @ 10Hr
MATERIAL	ABS
BATTERY	AGM Deep Cycle Power Battery
COLOR	Brown Red
WATERING	No Watering Required

6 VOLT

PHYSICAL SPECIFICATIONS

BCI	MODEL NAME	VOLTAGE	CELL(S)	TERMINAL TYPE[G]	DIMENSIONS[C] INCHES (mm)			WEIGHT[H] LBS. (kg)
					LENGTH	WIDTH	HEIGHT[F]	
--	Q-105	6	3	M8*20	10.24(260)	7.09 (180)	10.08 (256)	65 (29.5)

ELECTRICAL SPECIFICATIONS

CRANKING PERFORMANCE		CAPACITY[A] MINUTES		CAPACITY[B] AMP-HOURS (Ah)				ENERGY (kWh)	INTERNAL RESISTANCE (mΩ)	SHORT CIRCUIT CURRENT (amps)
C.C.A.[D] @ 0°F (-18°C)	C.A.[E] @ 32°F (0°C)	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr	1.7	3500
—	—	470	140	190	210	230	250	1.5		

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)					
SYSTEM VOLTAGE	6V	12V	24V	36V	48V
Maximum Charge Current (A)	15% of C_5				
Absorption Voltage (2.47 V/cell)	7.4	14.8	29.6	44.4	59.2
Float Voltage (2.30 V/cell)	6.9	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.

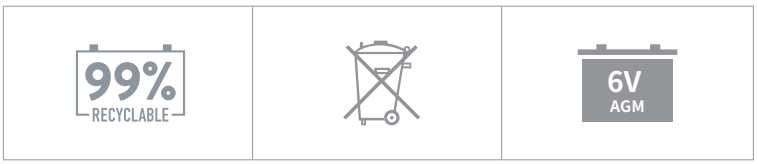
CHARGING TEMPERATURE COMPENSATION

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 .

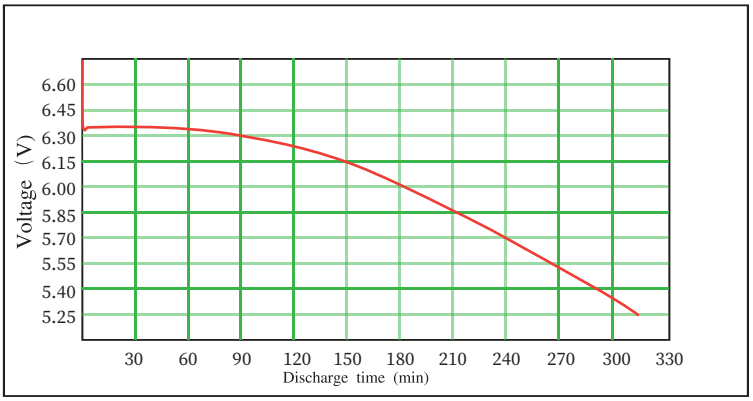
RECYCLE RESPONSIBLY



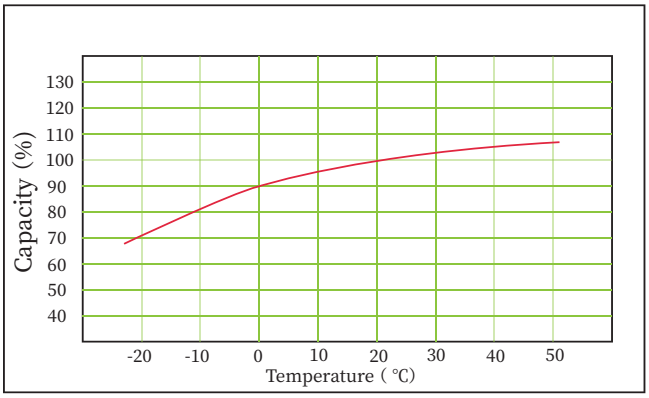
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

PERCENTAGE CHARGE	CELL	6 VOLT
100	2.20	6.60
90	2.17	6.51
80	2.14	6.42
70	2.12	6.36
60	2.09	6.27
50	2.07	6.21
40	2.04	6.12
30	2.02	6.06
20	2.00	6.00
10	1.97	5.91

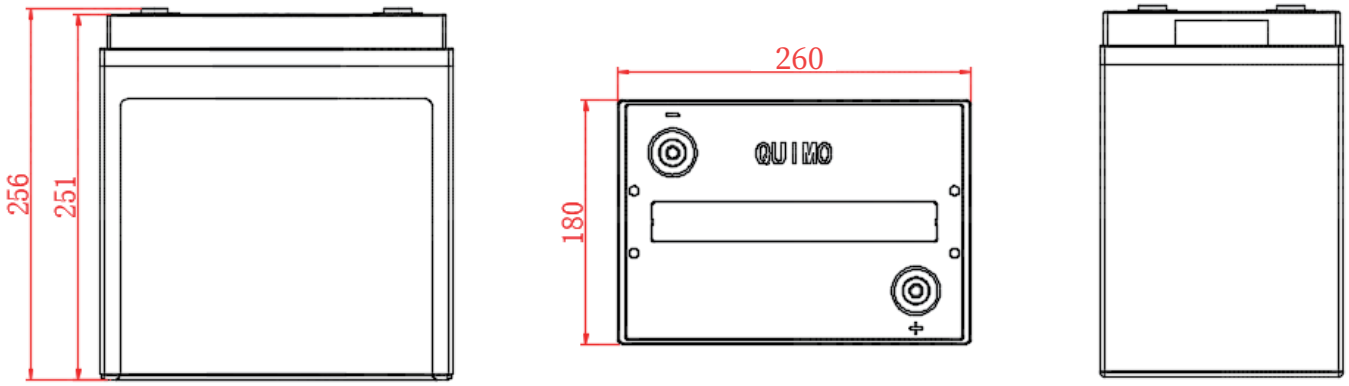
QUIMO Q-105 PERFORMANCE(5Hr)



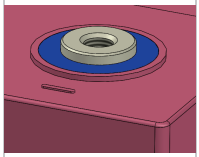
PERCENT CAPACITY VS. TEMPERATURE(5Hr)



BATTERY DIMENSIONS (shown with M8)



TERMINAL CONFIGURATIONS [G]

1	M8
	Battery Height with Terminal in Inches (mm) 10.08 (256) Screw hole size (mm) M8*25

2	M8
	Bolt Size (mm) M8*20 Torque Values in-lb (Nm) 120~150 (14~17)

A. The numberof 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.