MOTIVACTION
HIGH PERFORMANCE DEEP CYCLE BATTERY

M1275

PRODUCT DETAILS

Model : M1275
Voltage : 12V
Battery : Deep Cycle Flooded Lead Acid Battery
Material : Polypropylene

PHYSICAL SPECIFICATIONS

BCI Size	Voltage (V)	Dimension (mm)				Electrolyte Quantity (L)	Weight (kg)
		Length	Width	Height	Total Height		
GC12	12	329	181	245	278	6.8	39

ELECTRICAL SPECIFICATIONS

Reserved Capacity (mins)		Capacity Amp-Hours (Ah)				Energy (KWh)
@25 Amps	@75 Amps	5-hr	10-hr	20-hr	100-hr	
280	70	120	134	150	166	1.80

CHARGING INSTRUCTIONS

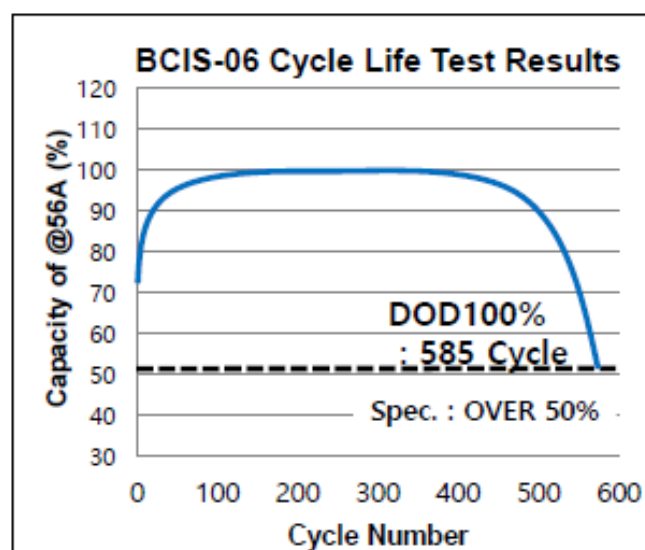| System Voltage	6V	8V	12V	24V	36V	48V
Bulk Charge	7.4	9.9	14.8	29.6	44.5	59.3
Float Charge	6.7	9.0	13.5	27.0	40.5	54.0
Equalize Charge	8.1	10.8	16.2	32.4	48.6	64.8

*Charger voltage settings (at 25°C). 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

**Delta-Q Reference: Algorithm ID 71

TERMINAL CONFIGURATION

EHPT	Embedded High Profile Terminal
Terminal Height	38 mm
Torque Value	11-12 Nm
Bolt	5/16"

CYCLE SERVICE LIFE: BCIS-06 [100% DOD @ 27°C]

BCIS-06 Cycle Life Test Results — DOD100% : 585 Cycle — Spec. : OVER 50%

(Note) The company reserves the right to update the information above without prior notice.

Version 21-00

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Charging Temperature
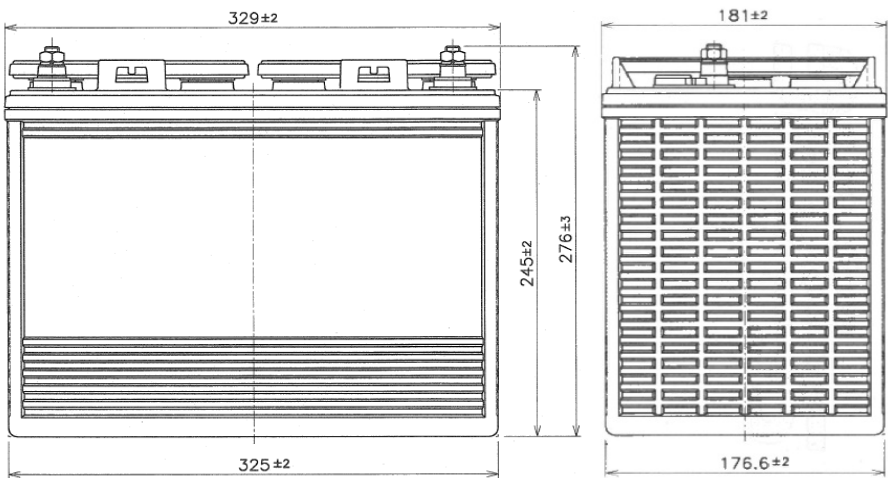
above 25°C	Subtract 0.005V per cell for every 1°C above 25°C
below 25°C	

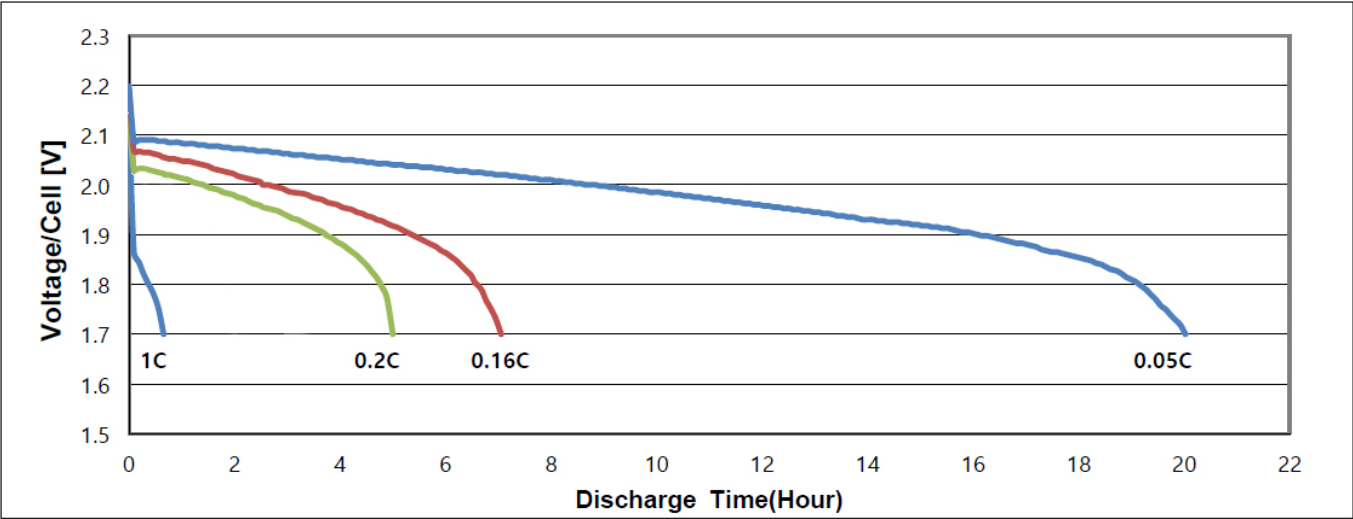### Operational Data

Operating Temperature

Discharge

BATTERY DIMENSIONS

329±2
181±2
245±2
276±3
325±2
176.6±2

SELF DISCHARGE DATA

Specific Gravity VS. Time

— 25℃ — 40℃

Specific Gravity[g/cc]

1.280
1.240
1.200
1.160
1.120

Time[Day]
0 20 40 60 80 100

Voltage VS. Time

— 25℃ — 40℃

Voltage/Cell[V]

2.15
2.1
2.05
2

Time[Day]
0 20 40 60 80 100
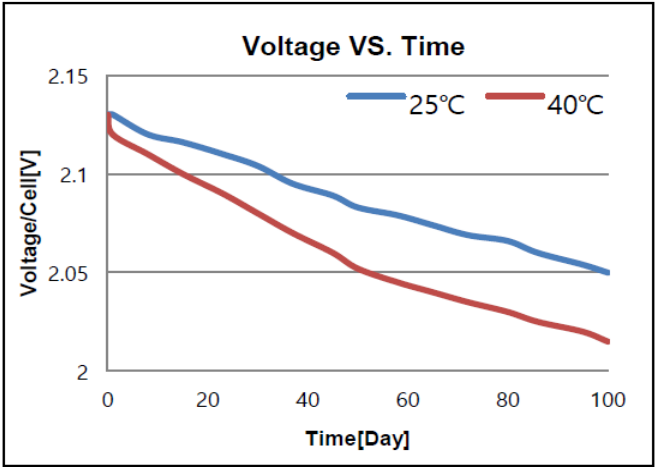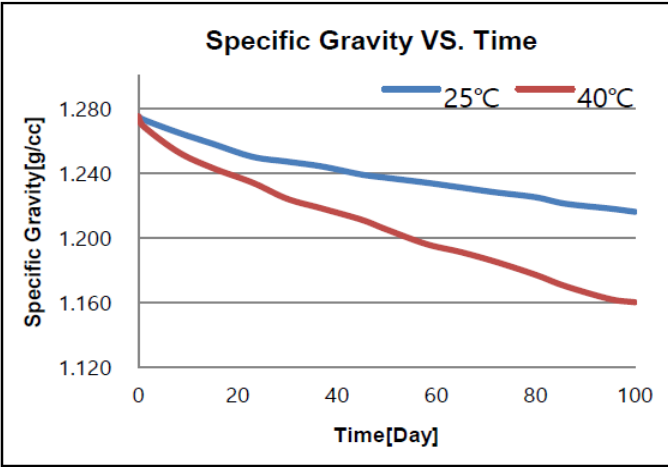
CAPACITY BY DISCHARGE CURRENT