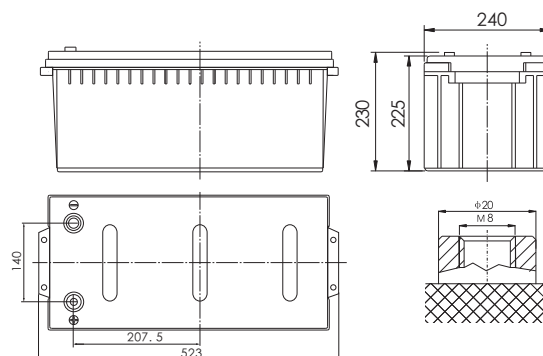




Batteries come standard with a special tray



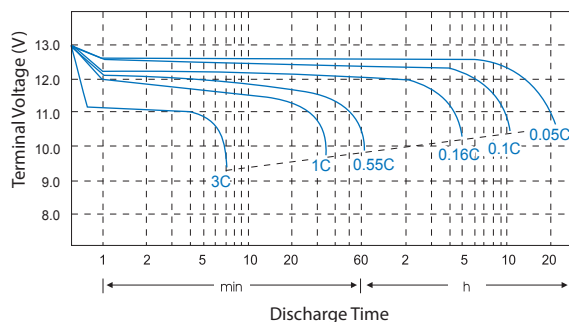
Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		200Ah
Dimensions	Total Height (with terminals)	230mm
	Height	225mm
	Length	523mm
	Width	240mm
Weight		57.6kg

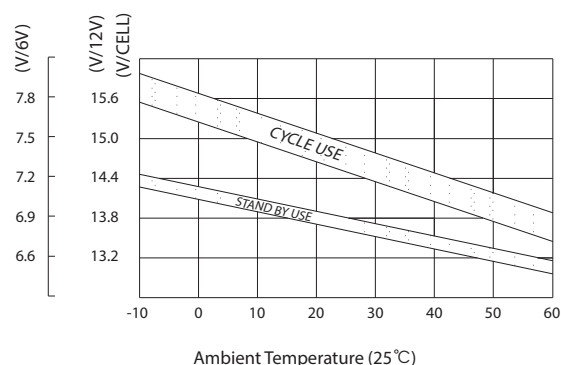
Characteristics

Capacity 25°C	10 hour rate (20.0A)	200 Ah
	5 hour rate (32.0A)	160 Ah
	1hour rate (120.0A)	120 Ah
	15minute rate (328A)	82.0 Ah
Internal Resistance	Full Charged Battery 25°C	3.5mΩ
	40°C	102%
Capacity Affected by Temperature (20hour rate)	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge 25°C	Capacity after 3 months storage	91%
	Capacity after 6 months storage	81%
	Capacity after 12 months storage	60%
Max. Discharge Current 25°C	1333A(5S)	
Terminal	T3	
Charge (Constant Voltage)	Cycle	Initial Charging Current Less than 60A
		Voltage 14.1V / 25°C
	Float	Equalization temperature compensation coefficient: -24mV/°C
		Voltage 13.5V / 25°C
		Compensation coefficient of floating charging temperature: -18mV/°C

Discharge Curves 25°C



Relationship Between Charge Voltage and Temperature



Constant Current Discharge (Amperes @25°C)

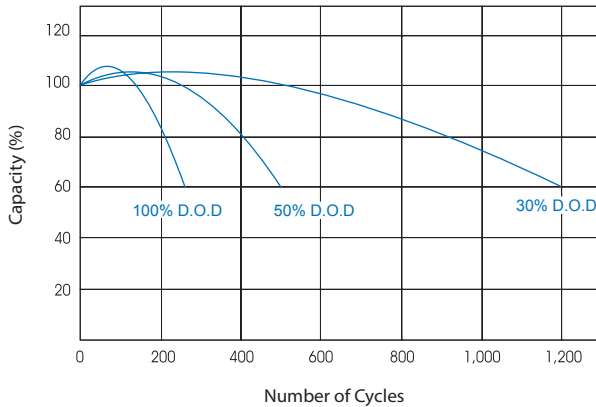
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	401	328	197	127	73.1	52.1	40.7	34.6	23.7	21.1	11.9
1.65	386	315	189	122	70.3	52.0	40.3	34.5	23.5	20.9	11.8
1.70	364	286	177	121	69.2	51.8	39.2	34.2	23.0	20.4	11.5
1.75	317	254	152	120	68.8	51.5	38.5	33.5	22.7	20.2	11.4
1.80	305	244	146	115	66.2	50.0	37.0	32.0	22.5	20.0	11.0
1.85	250	212	134	106	63.6	49.9	35.2	30.8	21.6	19.2	10.5

Constant Power Discharge (Watts Per Cell@25°C)

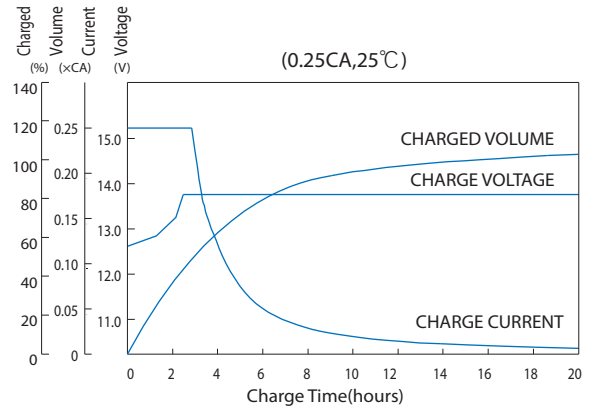
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	697	545	349	231	138	95.8	75.5	63.2	44.1	40.0	22.4
1.65	691	541	343	228	136	94.6	74.9	63.0	43.9	39.8	22.2
1.70	672	529	331	219	134	93.2	74.0	62.6	43.7	39.6	21.4
1.75	629	499	296	216	133	92.8	73.5	62.0	43.1	39.1	21.4
1.80	584	469	281	211	130	92.1	72.9	61.4	42.2	38.3	20.7
1.85	485	410	257	207	124	89.3	69.6	57.2	39.8	36.1	19.7

The operating environment temperature should not exceed 40°C. After prolonged storage, the battery's actual capacity would be less than the rated capacity. Full capacity will be obtained through several charge/discharge cycles.

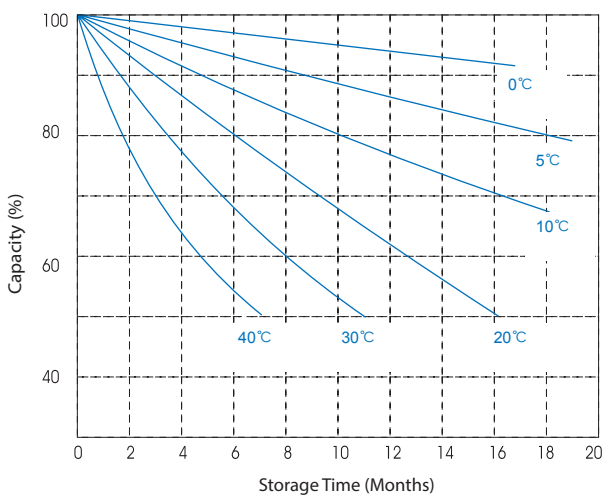
Cycle Service Life in Relation to Depth of Discharge



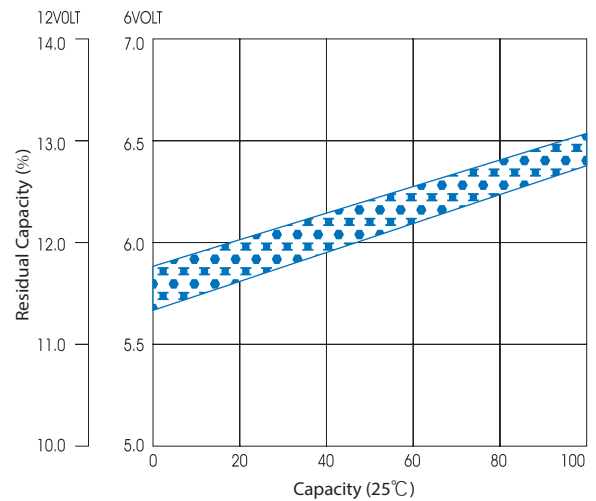
Constant Voltage Charge Characteristic



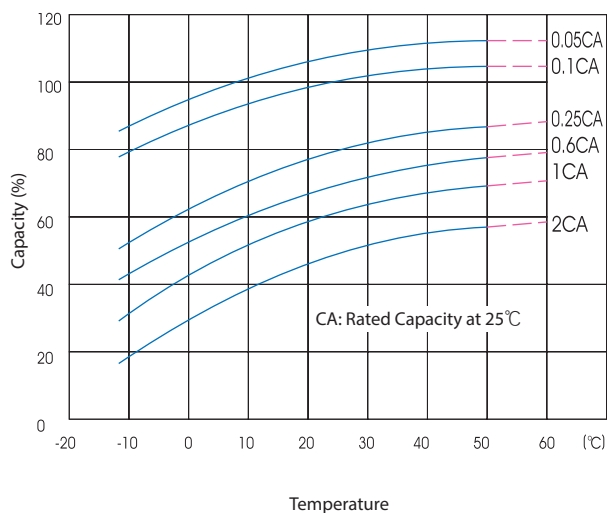
Self-Discharge Characteristics



Relationship of OCV and Residual Capacity % (25°C)



Temperature Effects on Capacity



Temperature Effects Float Life

