



### Specification

<b>Cells Per Unit</b>	1
<b>Voltage Per Unit</b>	2
<b>Nominal Capacity</b>	600Ah@10hr-rate to 1.80V per cell @25°C
<b>Weight</b>	Approx. 46.5 Kg (Tolerance ±1.5%)
<b>Internal Resistance</b>	Approx. 0.60 mΩ
<b>Terminal</b>	F10(M8)
<b>Max. Discharge Current</b>	2500A (5 sec)
<b>Design Life</b>	20 years (floating charge)
<b>Maximum Charging Current</b>	120.0 A
<b>Reference Capacity</b>	C24 674AH C48 750AH C72 755AH C100 768AH C120 785AH C240 799AH
<b>Float Charging Voltage</b>	2.25 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
<b>Cycle Use Voltage</b>	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
<b>Operating Temperature Range</b>	Discharge: -40°C~60°C Charge: -20°C~50°C Storage: -40°C~60°C
<b>Normal Operating Temperature Range</b>	25°C ±5°C
<b>Self Discharge</b>	Fortuner Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 25°C. Please charged batteries before using.
<b>Container Material</b>	A.B.S. UL94-HB, UL94-V0 Optional.



Unit: mm  
ISO9001:2000 Certificate

### Dimensions

	<b>Length</b>	145±1mm (5.71 inches)
	<b>Width</b>	206±1mm (8.11 inches)
	<b>Height</b>	645±1mm (25.4 inches)
	<b>Total Height</b>	680±1mm (26.8 inches)
	<b>Torque Value</b>	10~12 N*m
		<b>F10 TERMINAL</b>

### Constant Current Discharge Characteristics : A(25°C)

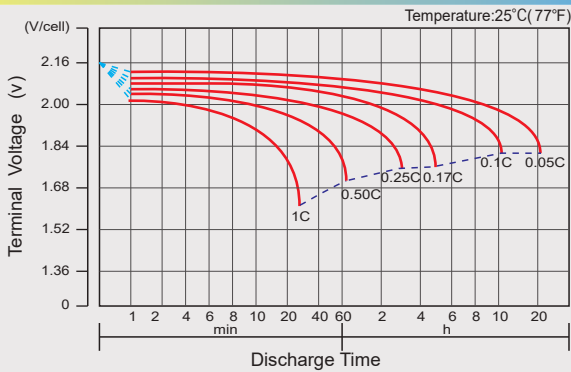
F.V/ Time	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.90V	295.2	234.0	165.0	125.2	102.6	88.68	79.80	62.27	53.40	28.04
1.87V	330.0	258.0	177.0	132.7	108.3	93.24	84.60	65.18	55.80	29.30
1.83V	378.0	288.0	192.0	141.4	114.0	97.32	87.60	68.09	58.20	30.56
1.80V	420.0	312.0	199.2	145.5	116.3	99.60	90.00	69.84	60.00	31.50
1.75V	468.0	334.2	208.2	151.3	118.2	102.0	91.80	71.00	61.20	32.13
1.70V	516.0	345.0	214.2	154.3	120.3	103.2	93.00	71.59	61.80	32.45
1.65V	532.2	366.6	221.4	158.4	122.0	104.4	94.20	72.17	62.40	32.76
1.60V	555.0	379.2	229.8	165.0	125.4	106.2	95.40	72.75	63.00	33.08

### Constant Power Discharge Characteristics : WPC(25°C)

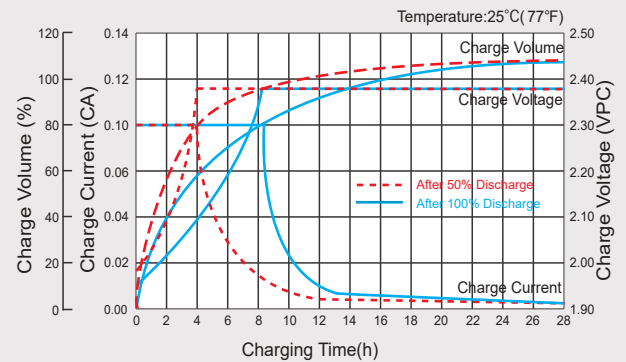
F.V/ Time	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.90V	565.0	449.2	319.0	242.4	200.8	174.6	157.8	124.5	108.8	57.14
1.87V	621.7	487.8	338.3	253.9	211.7	183.0	166.8	129.8	113.5	59.58
1.83V	696.5	531.8	360.0	267.1	221.9	190.2	172.2	134.4	117.6	61.72
1.80V	761.0	567.4	372.1	273.2	226.1	194.4	176.4	137.4	120.5	63.25
1.75V	825.5	592.7	384.1	281.6	229.1	199.2	179.4	139.1	122.2	64.17
1.70V	885.2	598.8	393.8	286.4	232.8	201.0	181.2	140.3	123.4	64.78
1.65V	900.3	625.3	404.6	292.4	235.8	202.8	183.0	141.4	124.0	65.08
1.60V	911.1	644.6	414.3	302.1	241.8	204.6	184.2	142.0	124.5	65.39

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

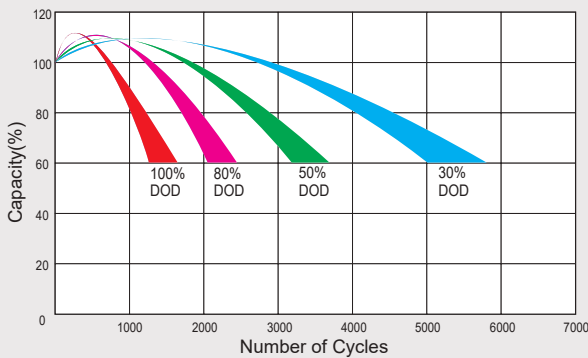
### Discharge Characteristics Curve



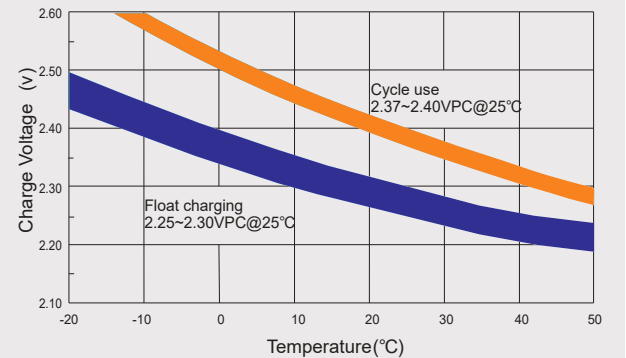
### Charge Characteristic Curve for Cycle Use(IU)



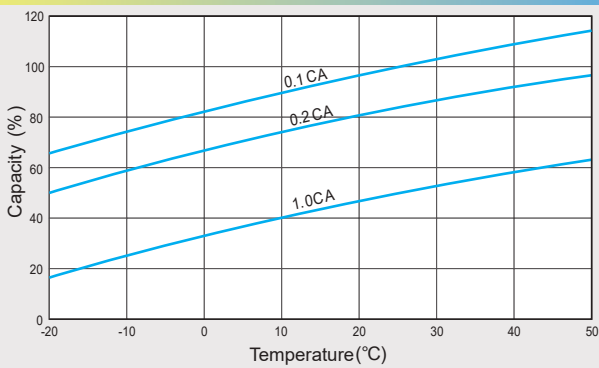
### Cycle Life in Relation to Depth of Discharge



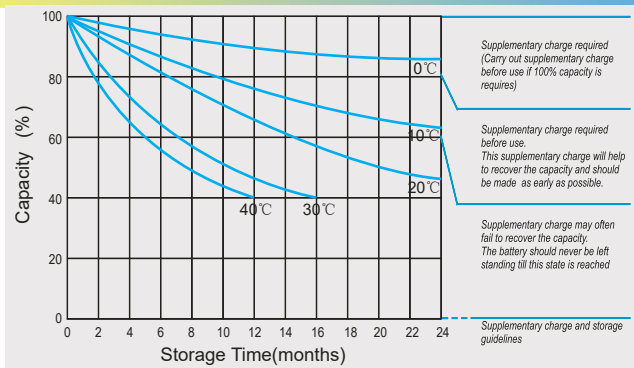
### Relationship Between Charging Voltage and Temperature



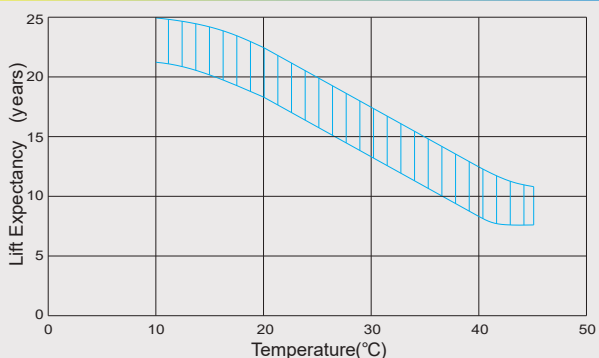
### Temperature Effects on Capacity



### Storage Characteristics



### Effect of Temperature on Long Term Life



### Relationship of OCV And State of Charge(20°C)

