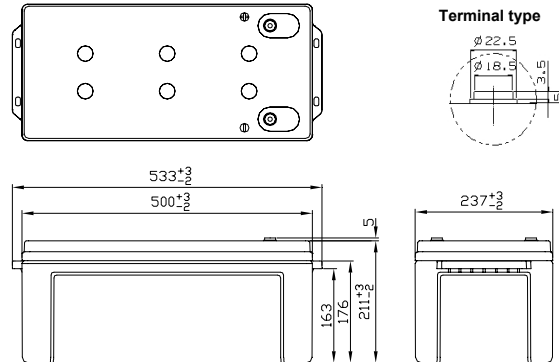


For standby power supplies  
 Expected trickle life: 6 years at 25°C  
 12 years at 20°C



### ■ Dimensions(mm)



※Contents indicated (including the recycle marking, etc) are subject to change without notice.

Battery case resin: Flame-retardant (UL94V-0)

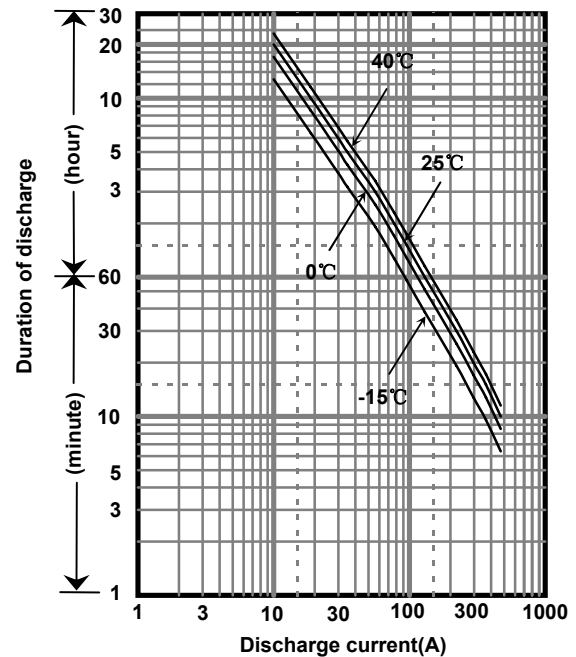
### ■ Specifications

Nominal Voltage		12V
Rated Capacity		700W/cell@15MR
Dimensions	Length	533 mm
	Width	237 mm
	Height	211 mm
	Total height	216 mm
Approx. Mass		57.0 kg
Terminal		M8 threaded post

### ■ Characteristics

Capacity (25 °C)	20 hour rate	200Ah
	10 hour rate	185Ah
	3 hour rate	169Ah
	1 hour rate	118Ah
Internal Resistance (25 °C)	Fully charged battery	2.5 mΩ
Temperature Dependency of Capacity (20 hour rate)	40 °C	102%
	25 °C	100%
	0 °C	85%
	-15 °C	65%
Self Discharge (25 °C)	After 3 months	91%
	After 6 months	82%
	After 12 months	64%

### ■ Duration of discharge vs. discharge current



### ■ Watt Table(25°C)

Wattage values in the table are average instead of guaranteed value, please consider appropriate redundancy by application.

(Wattage/Battery)

Cut-off V	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	6592	5194	4200	3520	2657	1868	1508	1109	919	669	525	433	370	236	129
9.9V	6442	5064	4088	3500	2583	1811	1482	1107	895	662	513	420	364	235	129
10.2V	5683	4694	3995	3459	2493	1774	1455	1074	882	647	501	407	346	230	128
10.5V	5134	4425	3891	3297	2482	1748	1381	1051	866	636	495	405	342	229	128
10.8V	4515	3915	3875	3216	2416	1672	1215	934	843	628	483	396	336	227	128

### ■ Ampere Table(25°C)

Ampere values in the table are average instead of guaranteed value, please consider appropriate redundancy by application.

(Ampere/Battery)

Cut-off V	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	10h	20h
9.6V	655	471	366	297	222	163	130	95.7	86.0	59.6	45.6	37.0	30.2	19.0	10.1
9.9V	640	460	357	290	217	159	126	92.3	84.6	58.5	44.8	36.1	29.8	18.9	10.1
10.2V	564	425	346	281	210	154	121	87.7	83.0	57.3	43.7	35.3	29.2	18.8	10.0
10.5V	509	401	336	273	206	150	118	84.1	81.5	56.4	43.0	34.9	29.0	18.7	10.0
10.8V	446	354	325	267	201	145	113	79.7	79.4	54.9	42.0	34.1	28.4	18.5	9.99

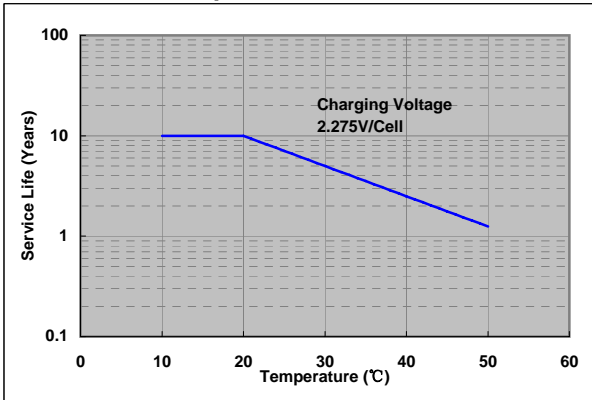
### Charging Method (25°C)

Trickle use	Control voltage:13.6-13.8V Initial current:30.0A or smaller
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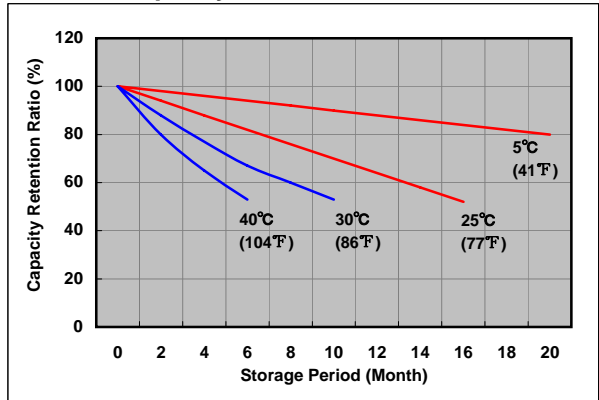
### Cut off voltage

Discharge current	10.0A-40.0A	40.0A-100A	100A-200A	200A-400A	400A-600A
Cut off voltage(V)	10.5	10.2	9.9	9.3	8.7

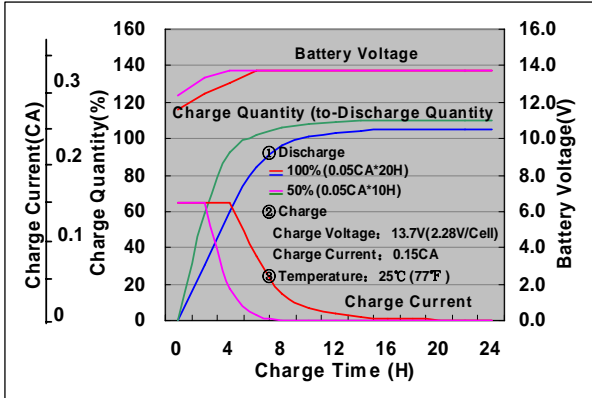
### Influence of Temperature on Trickle life



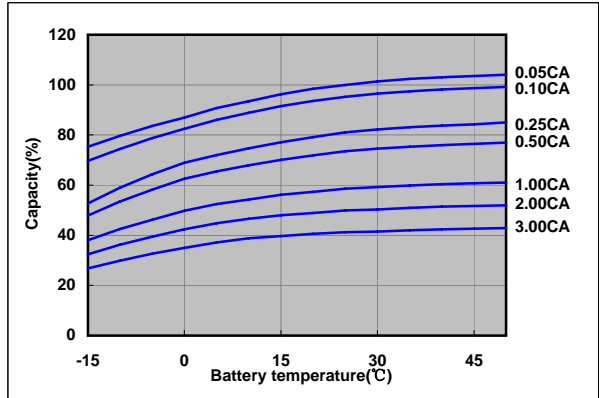
### Residual capacity test result



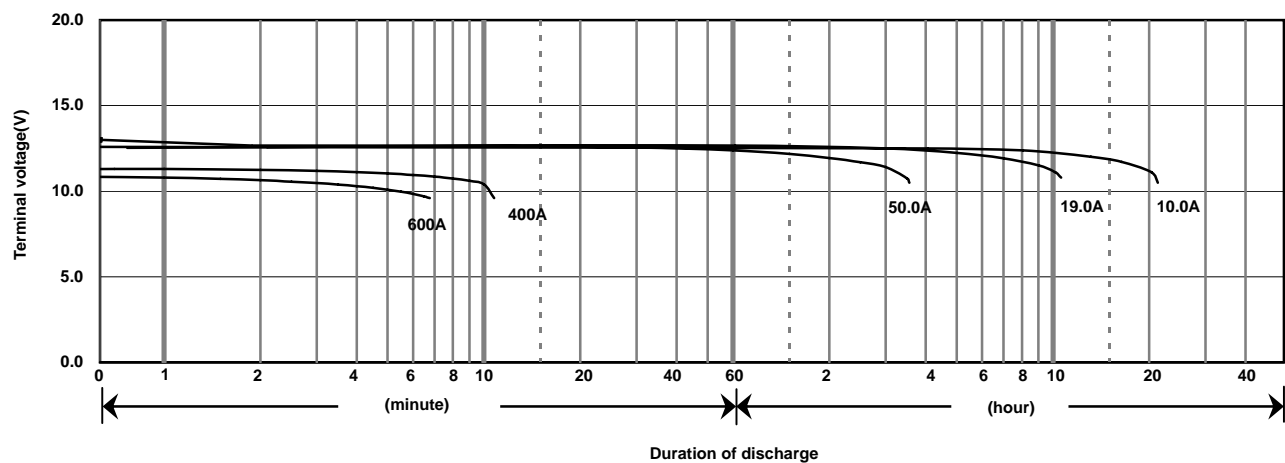
### Constant-voltage constant-current charge characteristics for Trickle use



### Discharge capacity by temperature and by discharge current



### Discharge characteristics(25°C)



**Caution**

Due to the potential energy stored in the batteries, Please read 《Precautions for handling the Rechargeable Valve Regulated Lead Acid Batteries》 before using batteries. If improper handling or use of the batteries without understanding 《Precautions for handling the Rechargeable Valve Regulated Lead Acid Batteries》 may result in bodily injury caused by electrolyte leakage, heat generation, or explosion.

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