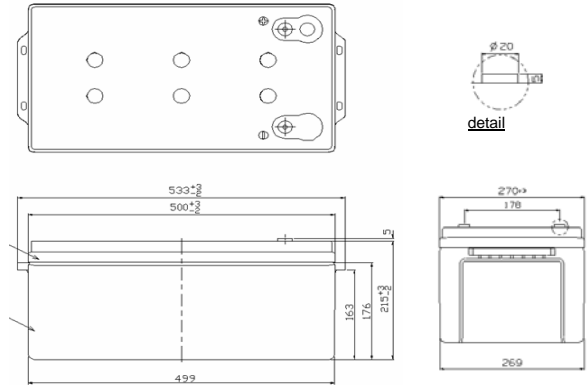


For standby power supplies
 Expected trickle life: 6 years at 25°C
 °C12 years at 20



■ Dimensions(mm)



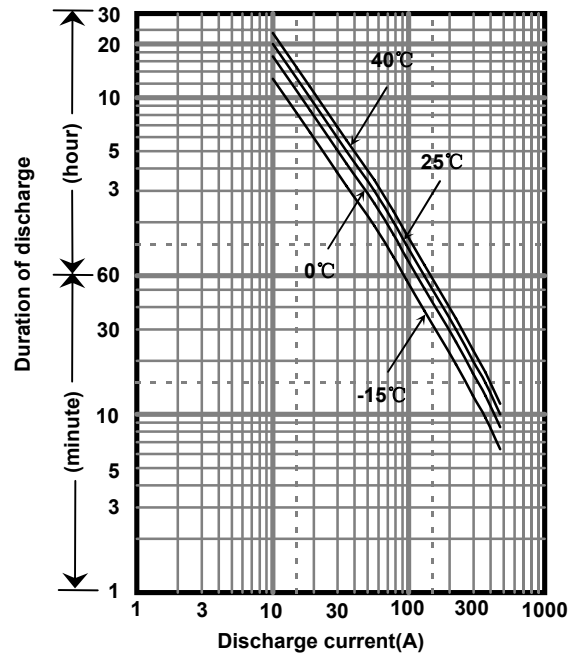
※Contents indicated (including the recycle marking,etc) are subject to change without notice.

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

■ Specifications

Nominal Voltage		12V
Rated Capacity(20HR)		760W/cell@15MR
Dimensions	Length	533 mm
	Width	270mm
	Height	215 mm
	Total height	220mm
Approx. Mass		64.5 kg
Terminal		M8 threaded post

■ Duration of discharge vs. discharge current



■ Characteristics

Capacity (25 °C)	20 hour rate	220Ah
	10 hour rate	200Ah
	3 hour rate	185Ah
	1 hour rate	130Ah
Internal Resistance (25 °C)	Fully charged battery	2.3 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%

■ Watt Table(25°C)

Wattge 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	7235	5700	4560	3863	2916	2049	1625	1194	995	721	566	467	399	254	139
9.9V	7070	5557	4471	3840	2835	1988	1596	1193	964	716	553	454	392	253	138
10.2V	6207	5114	4529	3493	2588	1842	1443	1042	904	667	522	433	360	240	138
10.5V	5602	4829	4440	3393	2539	1797	1400	999	891	656	513	428	357	238	138
10.8V	5400	4520	4250	3319	2478	1730	1345	948	864	640	501	419	351	237	138

■ 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	720	518	403	327	245	179	143	103.4	92.9	69.0	49.3	40.0	32.6	23.6	11.6
9.9V	704	506	393	319	238	175	137	99.7	91.4	66.5	48.3	39.0	32.1	22.8	11.3
10.2V	620	467	381	309	231	169	131	94.7	89.6	63.4	47.2	38.1	31.5	22.0	11.2
10.5V	560	441	370	300	226	165	130	90.8	88.0	61.6	46.5	37.7	31.3	21.0	11.0
10.8V	491	389	358	294	221	159	126	86.1	85.7	60.4	45.3	36.9	30.7	20.0	10.0

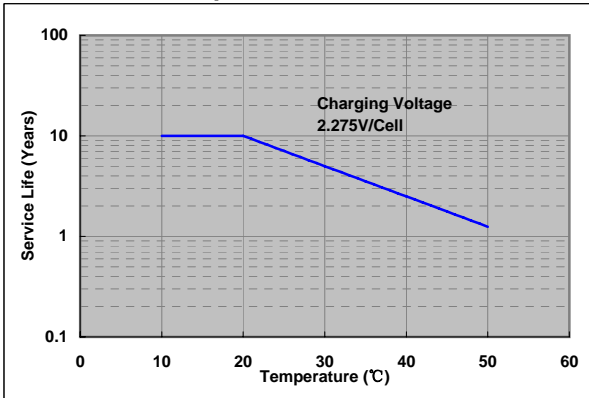
Charging Method (25°C)

Trickle use	Control voltage:13.6-13.8V Initial current:33.0A or smaller
-------------	--

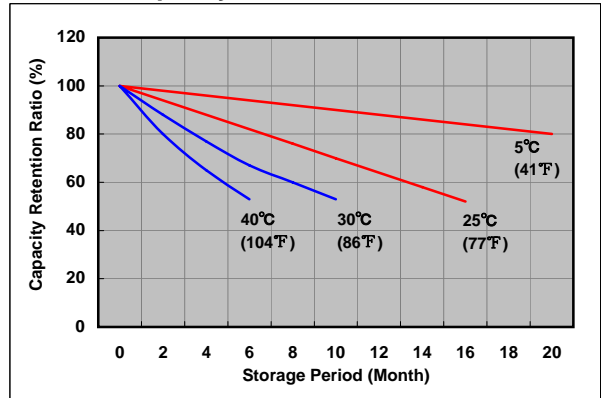
Cut off voltage

Discharge current	11.0A-44.0A	44.0A-110A	110A-220A	220A-440A	440A-660A
Cut off voltage(V)	10.5	10.2	9.9	9.3	8.7

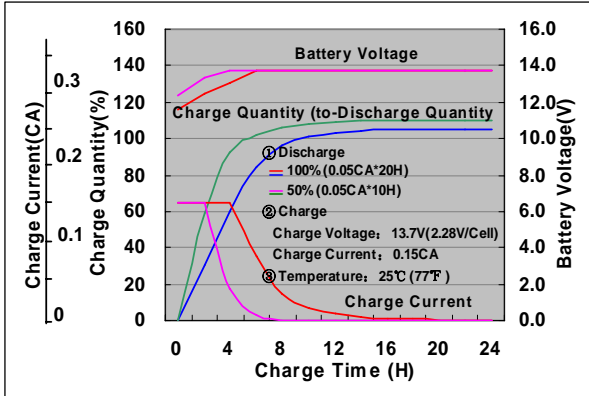
Influence of Temperature on Trickle life



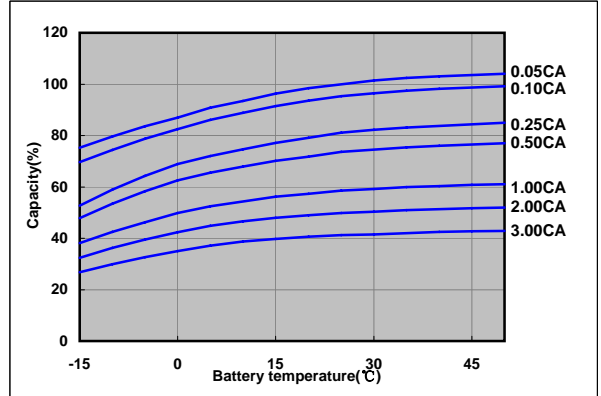
Residual capacity test result



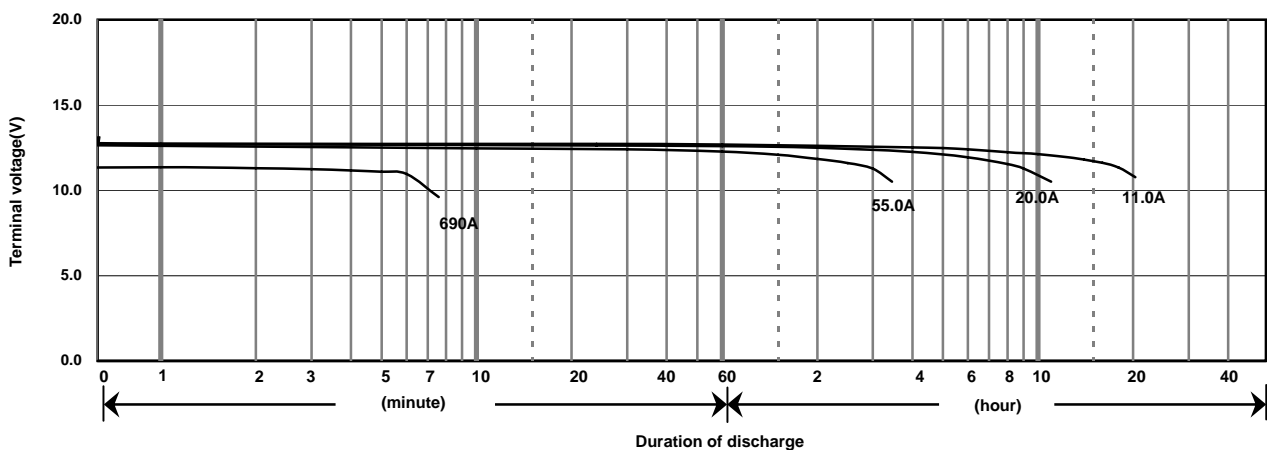
Constant-voltage constant-current charge characteristics for Trickle use



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.

Panasonic Storage Battery (Shenyang) Co., Ltd

NO. 17 Hunhe 20Th Street, Shenyang Economic & Technical Development Zone,110142 China

Tel: 86 24 25818921

Fax: 86 24 62786318

Website: <http://www.panasonicbattery.cn>

2016.01