

### Small-size batteries

- 100% before shipment testing, stable and reliable long-term quality
- patented grid alloy formula and updated manufacturing technique
- completely sealed and maintenance-free, low self-discharge
- Excellent charging and re-charging acceptance
- Cycle use: More than 260 cycles at 100% DOD
- Floating & standby use: 3-5 years

## DD12032 - 12V 3,2Ah

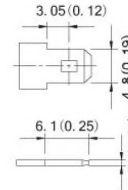
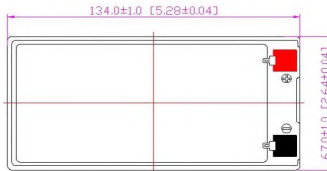
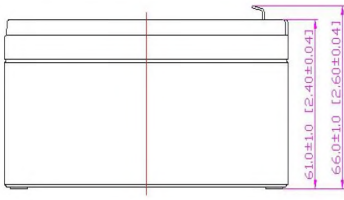


### Application:

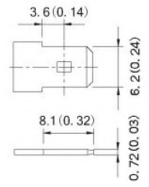
- Alarm System
- Cable Television
- Communication Equipment
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Power tools
- Control Equipment
- Toys

### Construction:

- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy
- Safety valve .... Rubber
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



F1 Terminal

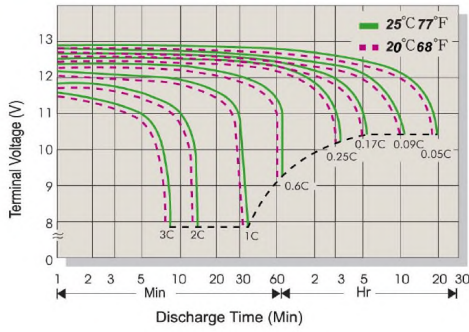


F2 Terminal

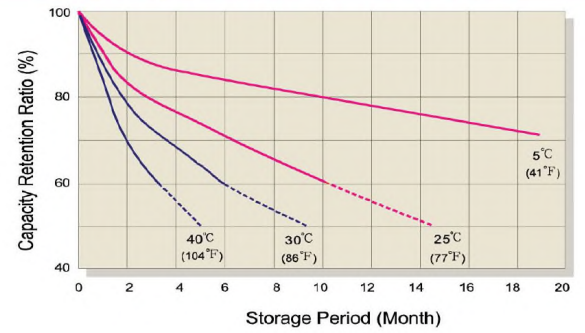
### Specification:

Battery Model	DD 12032 12V3.2AH			
Designed Floating Life	3~5 Years			
Capacity (25°C)	20HR(0.165A, 1 .5V)	10HR(0.32A, 10.5V)	5HR(0.59A, 10.5V)	1HR(1.98A, 10.5V)
	3.30AH	3.17AH	2.95AH	1.98AH
Dimensions	Length	Width	Height	Total Height
	134mm (5.28inch)	67mm (2.64inch)	61mm (2.40inch)	66mm (2.60inch)
Approx. Weight	1.30Kg (2.87 lbs) ±5%			
Internal Resistance	Full charged at 25°C : ≤30 mΩ			
Self Discharge	2% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15.0V(-30mV/°C), max. Current: 0.99A		13.6-13.8V (-20mV/°C)	

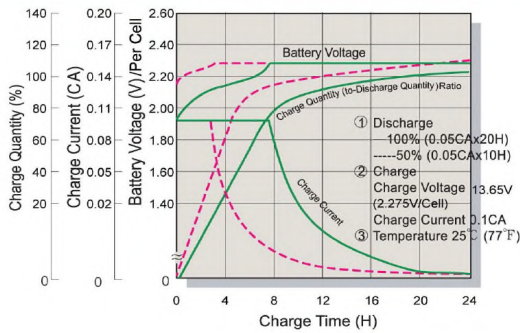
### Terminal Voltage (V) and Discharge Time



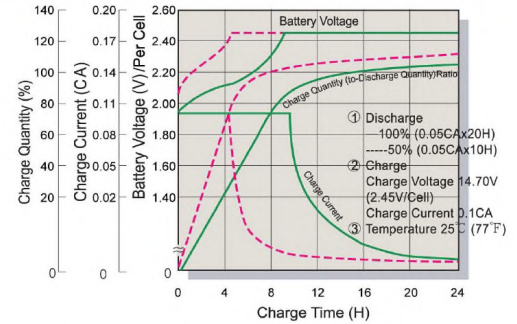
### Capacity Retention Characteristic



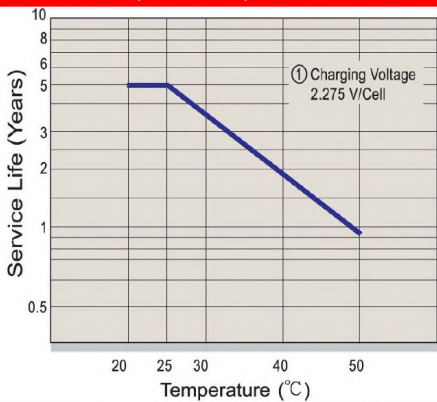
### Battery Voltage and Charge Time for Standby Use



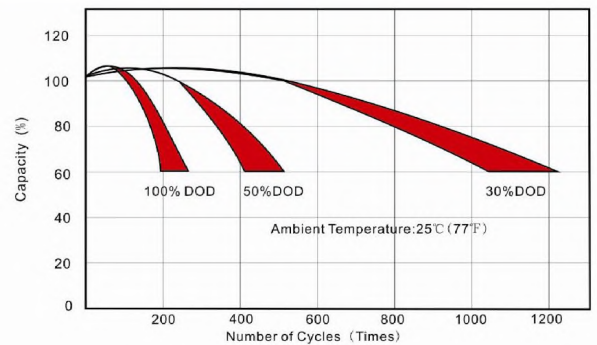
### Battery Voltage and Charge Time for Cycle Use



### Tickle(or Float) Service Life



### Cycle Service Life



### Constant Current Discharge(CC,Unit:A) at 25°C(77°F)

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	9.10	6.72	4.87	3.28	1.90	1.09	0.83	0.666	0.572	0.466	0.306	0.159
1.80V/Cell	9.28	6.85	4.97	3.34	1.94	1.11	0.85	0.679	0.583	0.475	0.312	0.162
1.75V/Cell	9.45	6.98	5.06	3.41	1.98	1.13	0.87	0.692	0.594	0.484	0.317	0.165
1.70V/Cell	10.30	7.40	5.36	3.54	2.01	1.15	0.88	0.704	0.604	0.493	0.323	0.168
1.67V/Cell	11.34	8.03	5.82	3.74	2.03	1.17	0.89	0.711	0.611	0.498	0.327	0.170
1.60V/Cell	12.28	8.45	6.12	3.90	2.05	1.18	0.90	0.719	0.617	0.503	0.330	0.172

### Constant Power Discharge (CP,Unit:W) at 25°C(77°F)

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	17.75	13.11	9.51	6.40	3.71	2.13	1.63	1.30	1.12	0.91	0.60	0.31
1.80V/Cell	18.09	13.36	9.69	6.52	3.78	2.17	1.66	1.32	1.14	0.93	0.61	0.32
1.75V/Cell	18.43	13.61	9.87	6.64	3.85	2.21	1.69	1.35	1.16	0.94	0.62	0.32
1.70V/Cell	20.08	14.43	10.46	6.91	3.92	2.25	1.72	1.37	1.18	0.96	0.63	0.33
1.67V/Cell	22.11	15.65	11.35	7.29	3.96	2.27	1.74	1.39	1.19	0.97	0.64	0.33
1.60V/Cell	23.95	16.47	11.94	7.61	4.01	2.30	1.76	1.40	1.20	0.98	0.64	0.33