



VRLA Battery

TS 12-7.5

12V 7.5AH

TEC - TS Series VRLA Battery

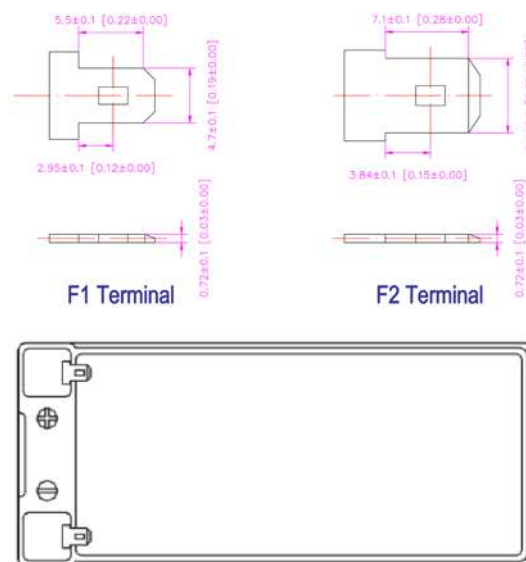
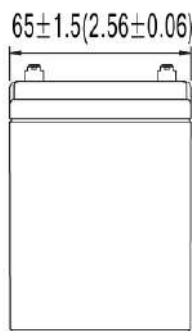
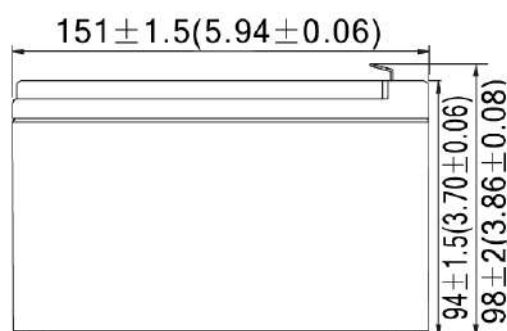
TEC Pro-TS Series—Small-size batteries

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



Construction:

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



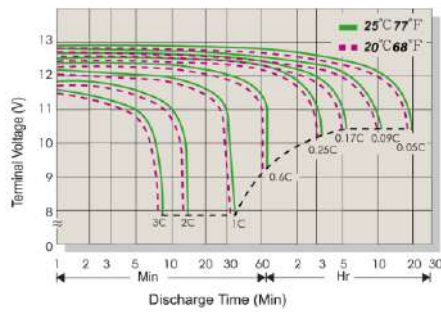
Specification:

Battery Model	TEC Pro - TS 12-7			
Designed Floating Life	3~5 Years			
Capacity (25 °C)	20HR(0.36A,10.5V)	10HR(0.69A,10.5V)	5HR(1.29A,10.5V)	1HR(4.31A,10.5V)
	7.00AH	6.63AH	5.95AH	4.05AH
Dimensions	Length	Width	Height	Total Height
	151mm	65mm	95 mm	102mm
Approx. Weight	2.2 Kg			
Internal Resistance	Full charged at 25°C : ≤34m			
Self Discharge	3% 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(25oC)	Cycle use		Float use	
	14.4-15.0V(-30mV/°C), max. Current: 2.16A		13.6-13.8V (-20mV/ °C)	

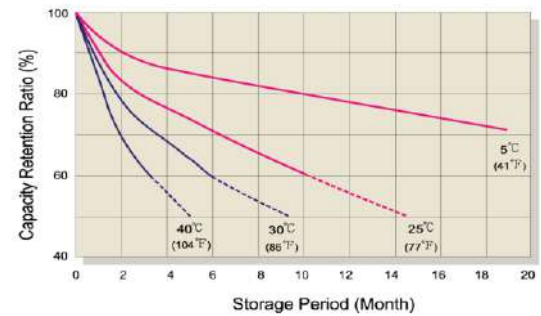
ARA TAJHIZ SYSTEM

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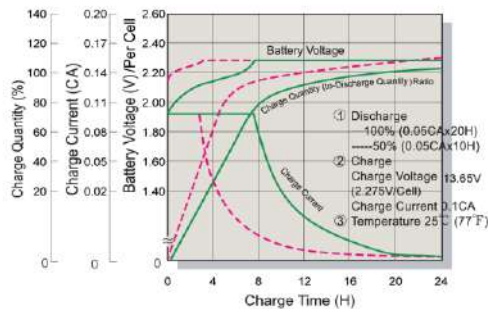
Terminal Voltage (V) and Discharge Time



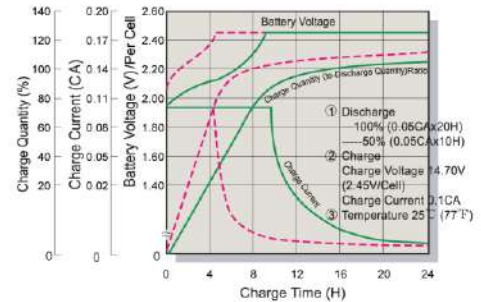
Capacity Retention Characteristic



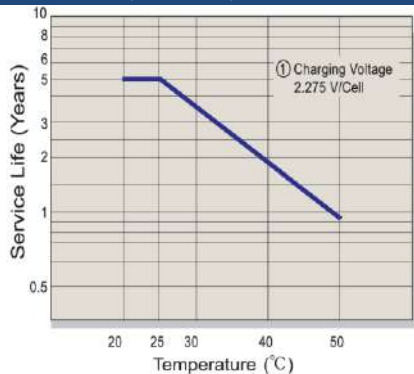
Battery Voltage and Charge Time for Standby Use



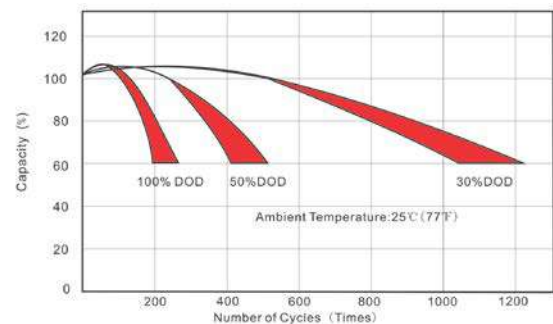
Battery Voltage and Charge Time for Cycle Use



Tickle(or Float) Service Life



Cycle Service Life



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

F.V/Time	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	8Hr	10Hr	20Hr
1.85V/Cell	18.30	13.05	10.00	6.62	3.90	2.28	1.74	1.380	1.146	0.979	0.639	0.337
1.80V/Cell	18.64	13.30	10.19	6.75	3.98	2.32	1.77	1.406	1.168	0.998	0.651	0.344
1.75V/Cell	18.99	13.55	10.39	6.88	4.05	2.37	1.80	1.432	1.190	1.017	0.663	0.350
1.70V/Cell	20.70	14.36	11.01	7.15	4.12	2.41	1.83	1.458	1.211	1.034	0.675	0.356
1.67V/Cell	22.79	15.58	11.94	7.55	4.17	2.44	1.85	1.473	1.224	1.045	0.682	0.360
1.60V/Cell	24.69	16.39	12.57	7.87	4.21	2.46	1.87	1.489	1.237	1.057	0.689	0.364

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

F.V/Time	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	8Hr	10Hr	20Hr
1.85V/Cell	18.30	13.05	10.00	6.62	3.90	2.28	1.74	1.380	1.146	0.979	0.639	0.337
1.80V/Cell	18.64	13.30	10.19	6.75	3.98	2.32	1.77	1.406	1.168	0.998	0.651	0.344
1.75V/Cell	18.99	13.55	10.39	6.88	4.05	2.37	1.80	1.432	1.190	1.017	0.663	0.350
1.70V/Cell	20.70	14.36	11.01	7.15	4.12	2.41	1.83	1.458	1.211	1.034	0.675	0.356
1.67V/Cell	22.79	15.58	11.94	7.55	4.17	2.44	1.85	1.473	1.224	1.045	0.682	0.360
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