

Medium-size Battery

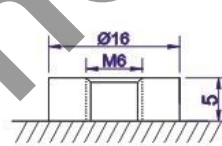
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 8 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle use 2: Up to 500 cycles at 50% DOD

Application:

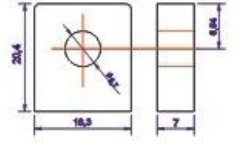
- Telecommunications
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

Construction:

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper/Pb
- SeparatorFiber glass
- Electrolyte Sulfuric acid



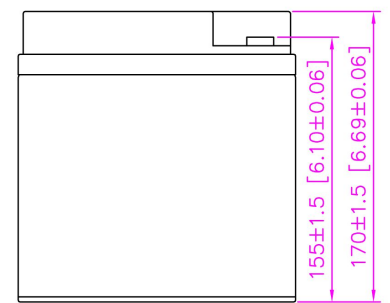
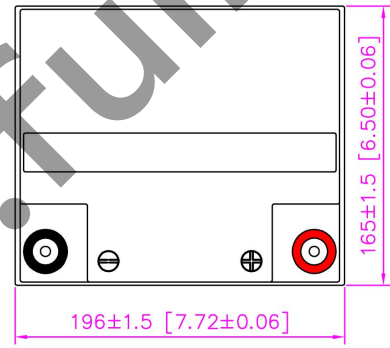
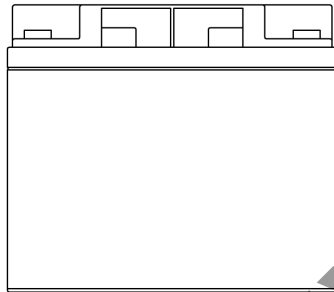
M6 Bolt



M6 Bolt & Nut

B4 Terminal

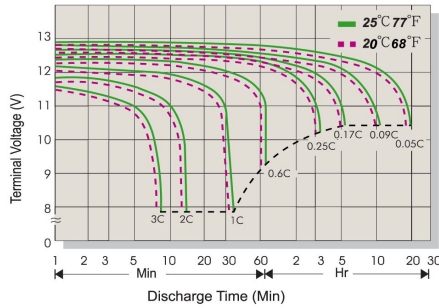
T11 Terminal



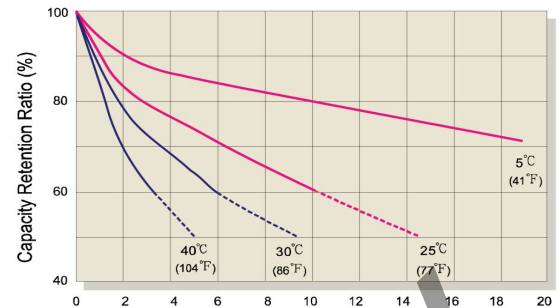
Speification:

Battery Model	FEP-1245 12V45AH			
Designed Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(2.40A,10.5V)	10HR(4.30A,10.5V)	5HR(7.82A,10.5V)	1HR(26.40A,10.5V)
	45.0AH	43.0AH	39.1AH	26.4AH
Dimensions	Length	Width	Height	Total Height
	196mm (7.72inch)	165mm (6.50inch)	155mm (6.106inch)	170mm (6.69inch)
Approx. Weight	13.80Kg (30.42 lbs) ±3%			
Internal Resistance	Full charged at 25°C: ≤15.0mΩ			
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	
	14.40-15.00V(-30mV/°C), max. Current:12.0A		13.50-13.80V (-20mV/°C)	

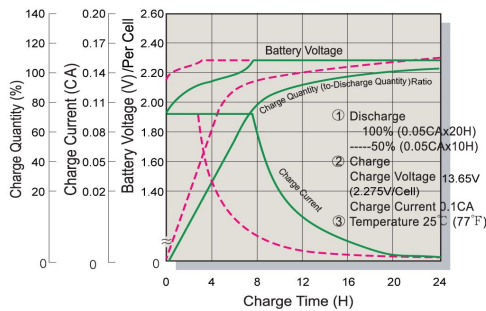
Terminal Voltage (V) and Discharge Time



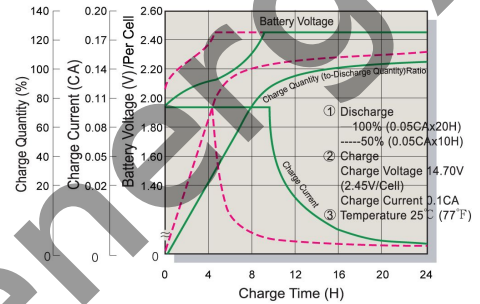
Capacity Retention Characteristic



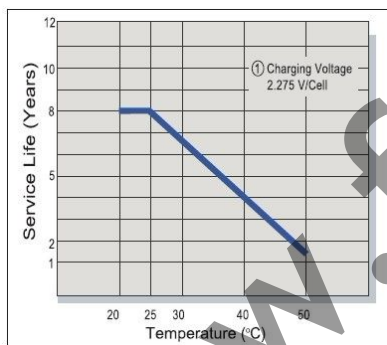
Battery Voltage and Charge Time for Standby Use



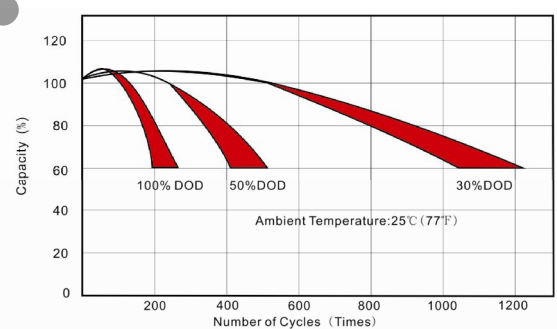
Battery Voltage and Charge Time for Cycle Use



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	107.3	79.1	68.6	41.4	24.4	14.4	10.7	9.03	7.43	6.84	4.56	2.28
1.80V/Cell	111.4	82.1	71.3	43.0	25.4	15.0	11.2	9.41	7.74	7.13	4.75	2.38
1.75V/Cell	122.6	86.2	74.8	44.7	26.4	15.4	11.5	9.50	7.82	7.20	4.30	2.40
1.70V/Cell	137.1	90.3	78.4	46.9	26.9	15.7	11.7	9.59	7.90	7.27	4.85	2.43
1.67V/Cell	151.6	94.4	81.9	48.1	28.0	16.2	12.1	9.69	7.97	7.34	4.89	2.45

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	203.9	150.2	130.4	78.7	46.4	27.3	20.4	17.15	14.12	13.00	8.66	4.34
1.80V/Cell	211.7	156.0	135.4	81.7	48.3	28.4	21.2	17.87	14.71	13.54	9.03	4.52
1.75V/Cell	232.9	163.7	142.1	84.9	50.2	29.3	21.8	18.05	14.86	13.67	8.17	4.57
1.70V/Cell	260.4	171.5	148.9	89.0	51.2	29.9	22.3	18.23	15.00	13.81	9.21	4.61
1.67V/Cell	287.9	179.3	155.7	91.5	53.1	30.7	22.9	18.41	15.15	13.94	9.30	4.66