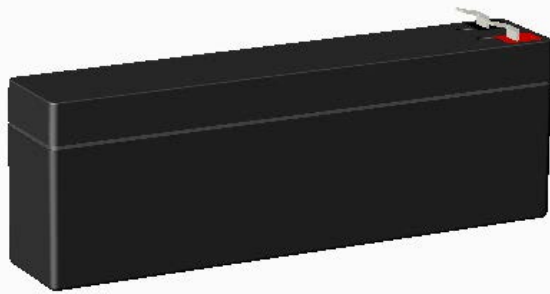


FP12-2.6

Datasheet

FULBAT™
GENERAL PURPOSE BATTERY



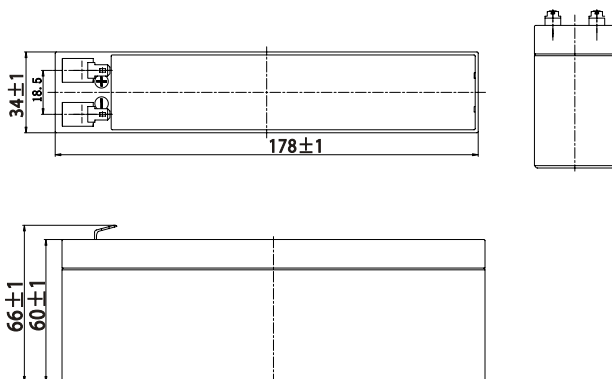
⊕
⊖ **AGM**

NON-SPILLABLE

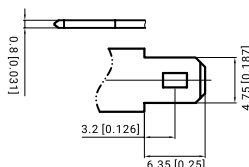
FP Series are general purpose batteries with 5 years design life in float service. With advanced AGM valve regulated technology and high purity raw material, the FP series batteries ensure high performance and reliable standby service life. They have been designed specifically for applications such as security & alarm systems, UPS, Telecom, power grid, medical equipment and emergency lighting.

DIMENSIONS & WEIGHT

Lenght	178±2mm
Width	34±2mm
Total height	66±2mm
Gross weight	0.91kg



TERMINAL



SPECIFICATIONS

Nominal voltage	12V (6 cells)
Nominal capacity	2.6Ah (20hr)
Design life	5 years at 20°C
Internal resistance	Approx 90mΩ
Terminal	T1
Max. discharge current	39A (5 sec)
Reference capacity	2.60Ah (20hr, 1.75V/cell, 25°C) 2.46Ah (10hr, 1.75V/cell, 25°C) 2.18Ah (5hr, 1.75V/cell, 25°C) 1.91Ah (3hr, 1.75V/cell, 25°C) 1.58Ah (1hr, 1.60V/cell, 25°C)
Charge voltage	13.5V ~ 13.8V at 25°C
Standby use voltage	Temperature compensation: -3mV/°C/Cell
Cycle use voltage	14.4V ~ 15.0V at 25°C Temperature compensation: -5mV/°C/Cell
Operating temp. range	Discharge: -15°C ~ 50°C Charge: 0°C ~ 40°C Storage: -15°C ~ 40°C
Nominal operating temp. range	25°C ± 3°C
Self discharge	Can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly self-discharge ratio is less than 3% at 25°C
Capacity affected by temp.	40°C 103% 25°C 100% 0°C 86%
Container material	A.B.S. UL94-HB UL94-V0 optional

APPROVALS

ISO9001 - Quality management system
ISO14001 - Environmental management System
Approved for transport by Air (IATA)
Designed in accordance with IEC 60896-21/22

APPLICATIONS



Emergency
& security



UPS
& data center



Medical



Telecom

FP12-2.6

Datasheet

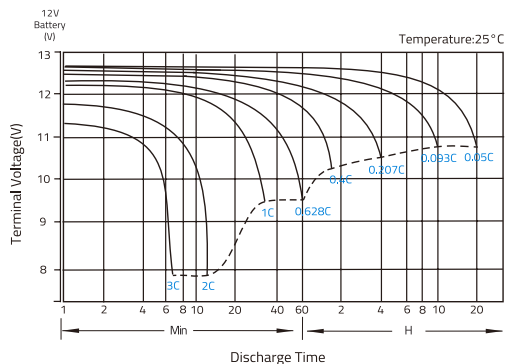
CONSTANT CURRENT DISCHARGE (A) @25°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3.48	2.87	2.49	2.00	1.54	1.25	0.768	0.584	0.480	0.408	0.353	0.280	0.234	0.128
1.80V/cell	4.15	3.32	2.81	2.22	1.67	1.36	0.815	0.615	0.505	0.425	0.369	0.292	0.242	0.129
1.75V/cell	4.69	3.67	3.06	2.36	1.77	1.42	0.850	0.636	0.521	0.436	0.378	0.300	0.246	0.130
1.70V/cell	5.18	3.97	3.29	2.48	1.84	1.48	0.885	0.657	0.534	0.448	0.387	0.304	0.251	0.132
1.67V/cell	5.57	4.21	3.46	2.59	1.92	1.55	0.911	0.674	0.545	0.458	0.395	0.309	0.254	0.134
1.60V/cell	5.80	4.37	3.56	2.66	1.97	1.58	0.939	0.690	0.558	0.467	0.402	0.315	0.259	0.136

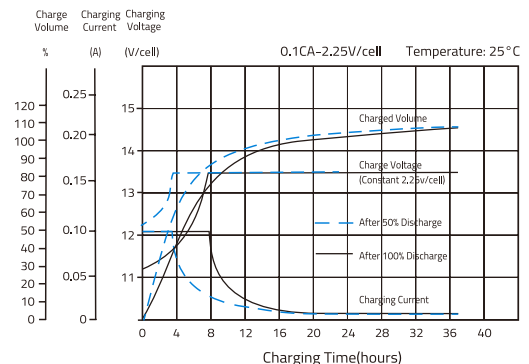
CONSTANT POWER DISCHARGE (W/CELL) @25°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	6.62	5.52	4.83	3.91	3.01	2.48	1.52	1.16	0.96	0.818	0.708	0.564	0.471	0.258
1.80V/cell	7.83	6.34	5.42	4.30	3.27	2.66	1.61	1.22	1.00	0.846	0.735	0.583	0.485	0.259
1.75V/cell	8.76	6.94	5.84	4.55	3.44	2.78	1.66	1.25	1.03	0.864	0.749	0.596	0.491	0.260
1.70V/cell	9.56	7.43	6.23	4.74	3.55	2.87	1.72	1.28	1.05	0.881	0.762	0.602	0.498	0.264
1.67V/cell	10.2	7.78	6.48	4.89	3.67	2.98	1.76	1.31	1.06	0.897	0.774	0.608	0.502	0.266
1.60V/cell	10.5	8.00	6.60	4.98	3.72	3.02	1.81	1.33	1.08	0.910	0.786	0.618	0.509	0.267

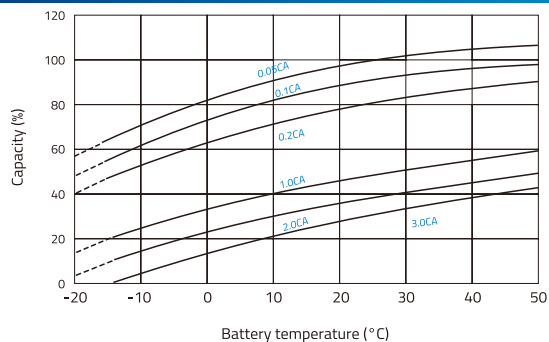
DISCHARGE CHARACTERISTICS



FLOAT CHARGING CHARACTERISTICS



TEMPERATURE EFFECTS TO BATTERY CAPACITY



FLOAT SERVICE LIFE

