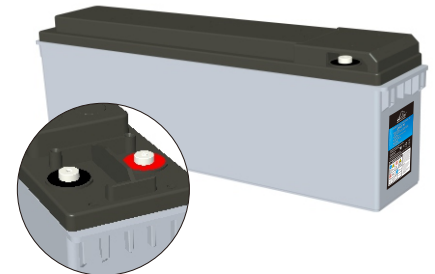


LPF SERIES (Front Terminal AGM VRLA BATTERY)

LPF12-70 (12V, 70Ah, 228.7 WPC)

Specification

Nominal Voltage	12V (6cells)	
Nominal Capacity (25°C/77°F)	70.0Ah/10hr, 68.24Ah/8hr, 228.7WPC/15min,	1.80V/cell 1.75V/cell 1.67V/cell
Dimension	Length	564±2mm (22.20inch)
	Width	114±2mm (4.49inch)
	Container Height	187±2mm (7.36inch)
	Total Height(With Terminal)	187±2mm (7.36inch)
Weight	Approx 25.5Kg (56.2 lbs)	
Terminal	T6 with Tin plated copper alloy insert (M6 bolt).	
Container Material	ABS to UL94 HB (Optional UL94-V0 Flame retardant jars available)	
Rated Capacity (25°C/77°F)	74.2Ah/3.71A	(20hr, 1.80V/cell)
	70.0Ah/7.00A	(10hr, 1.80V/cell)
	68.24Ah/8.53A	(8hr, 1.75V/cell)
	61.5Ah/12.3A	(5hr, 1.75V/cell)
	46.3Ah/46.3A	(1hr, 1.60V/cell)
Max. Discharge Current	700A (5s)	
Internal Resistance	Approx 5.2mΩ (Full charged)	
Operating Temp. Range	Discharge:	-20~60°C (-4~140°F)
	Charge:	0~50°C (32~122°F)
	Storage:	-20~60°C (-4~140°F)
Recommended Temp Range	20~25°C (68 ~77°F)	
Standby (Float) Use	No limit on Initial Charging Current. 2.25~2.3V/cell at 25°C (77°F). Temperature Coefficient: -18mV/°C.	
Capacity Affected by Temperature	40°C (104°F)	106%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	LPF series can be stored for up to 6 months at 25°C (77°F) and then a fresh recharge is required. For higher temperature the time interval will be shorter.	



Front Terminal Post

Application

- For standard 19" or 23" rack /cabinet
- Wired and Wireless Telecom
- Data center UPS
- Emergency Lighting
- Power station
- Railway and marine systems

Certification

- UI1989 (UL No. MH26866)
- CE-EMC Directive 2004/108/EC
- Directive 2006/66/EC
- Third party Test & Approved to IEC60896-21 & 22, 2004
- YD/T 799-2010

Constant Current Discharge (Amperes) at 25 °C (77 °F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	131.6	104.6	91.6	81.3	64.7	49.8	40.2	23.3	17.0	13.6	11.4	10.0	8.02	6.69	3.55
1.80V/cell	153.1	123.9	106.4	91.8	71.3	53.6	42.7	24.6	17.9	14.4	12.1	10.5	8.43	7.00	3.71
1.75V/cell	174.0	135.2	115.4	97.0	74.2	55.2	43.8	25.2	18.4	14.6	12.3	10.6	8.53	7.08	3.73
1.70V/cell	190.6	143.6	120.4	100.6	76.6	56.6	44.8	25.7	18.7	14.8	12.4	10.7	8.59	7.13	3.76
1.67V/cell	198.2	149.1	123.5	103.5	78.0	57.5	45.7	25.9	18.8	14.9	12.5	10.8	8.67	7.18	3.78
1.60V/cell	207.5	153.3	126.6	105.8	79.4	58.6	46.3	26.3	19.0	15.0	12.6	10.9	8.74	7.25	3.80

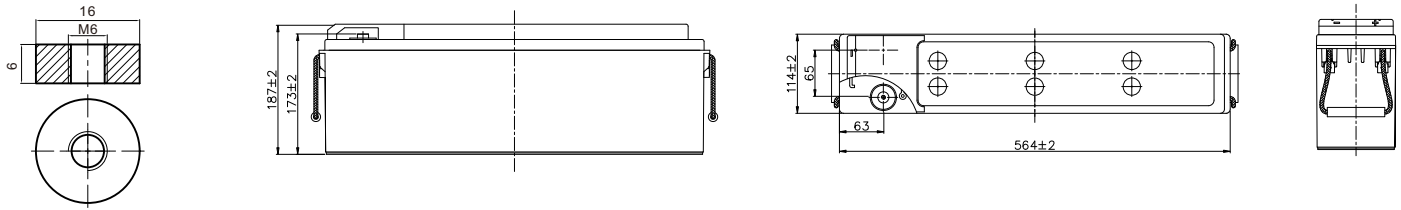
Constant Power Discharge (Watts/cell) at 25 °C (77 °F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	248.1	199.2	176.1	157.5	126.2	97.7	79.2	46.2	33.7	27.1	22.8	20.1	16.1	13.5	7.16
1.80V/cell	286.1	234.3	203.3	176.8	138.2	104.6	83.8	48.6	35.5	28.5	24.2	21.0	16.9	14.1	7.47
1.75V/cell	321.4	253.1	218.5	185.8	143.2	107.2	85.5	49.7	36.3	29.0	24.4	21.2	17.1	14.2	7.51
1.70V/cell	348.0	266.1	226.0	190.9	146.7	109.2	87.2	50.3	36.8	29.3	24.6	21.4	17.2	14.3	7.54
1.67V/cell	356.0	272.2	228.7	194.0	147.8	109.9	88.3	50.5	37.0	29.5	24.8	21.6	17.3	14.4	7.57
1.60V/cell	363.8	273.7	230.2	195.7	148.8	111.3	88.8	50.9	37.1	29.6	24.9	21.7	17.4	14.5	7.61

Specification subject to change without notice

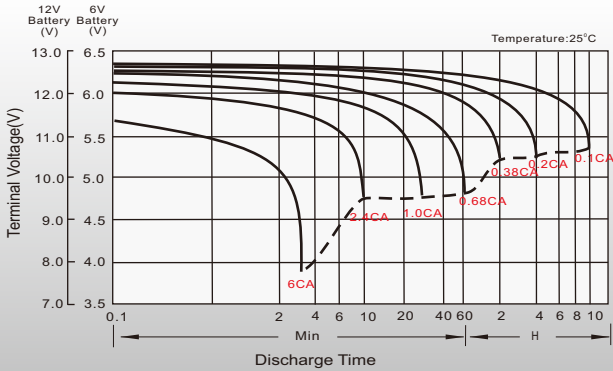
Dimensions

T6 Terminal
Unit: mm

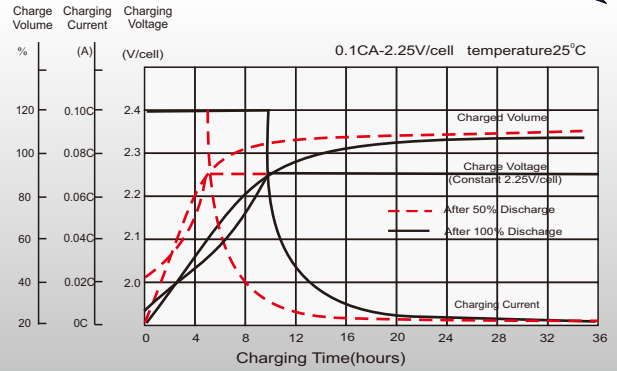


Performance Curve

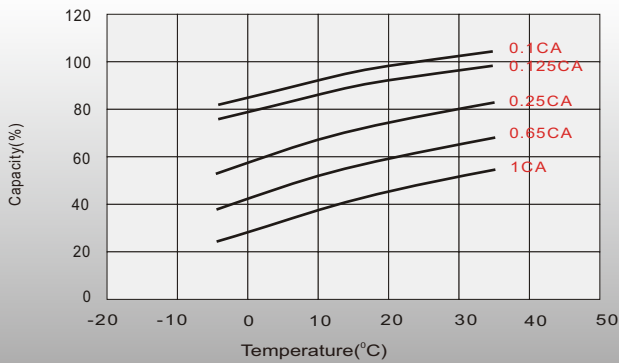
Discharge Characteristics



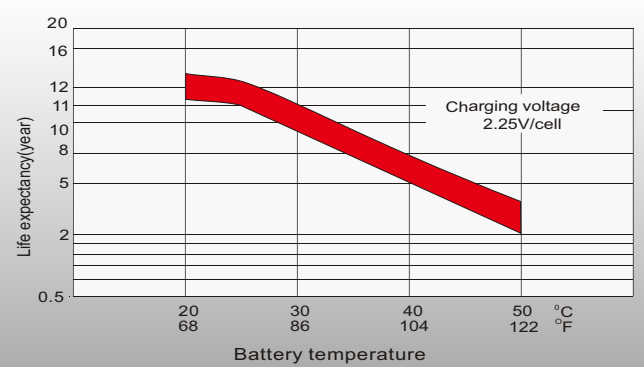
Float Charging Characteristics



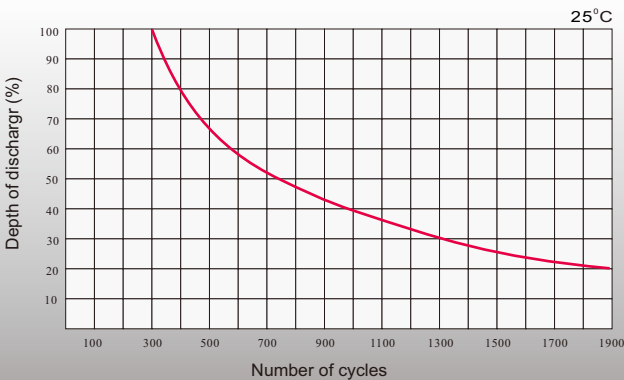
Temperature Effects in Relation to Battery Capacity



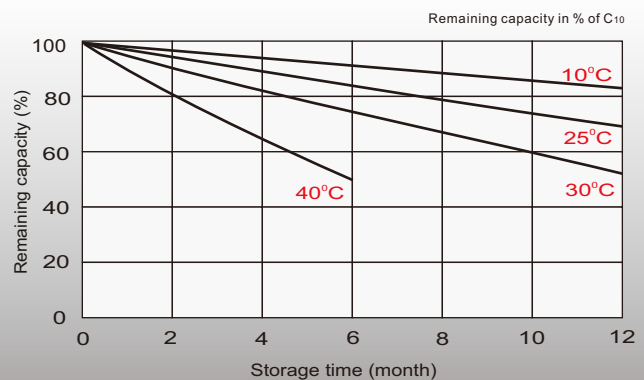
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time



Specification subject to change without notice

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