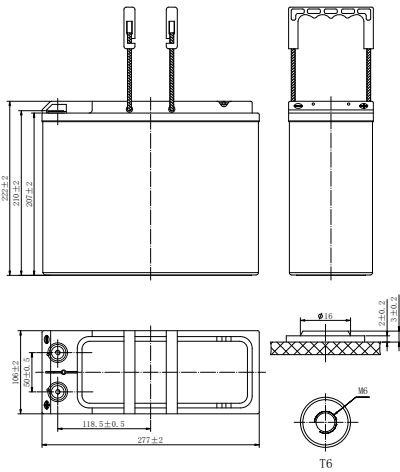


LPF SERIES-FRONT TERMINAL

LPF12-55 (12V55Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₁₀ : 1.80V/cell	55Ah
Dimension	Length	277mm (10.9inches)
	Width	106mm (4.17inches)
	Container Height	222mm (8.74inches)
	Total Height	222mm (8.74inches)
Approx Weight	17.3kg (38.1lbs)	
Terminal	T6(M6)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	1265A	
Internal Resistance (25°C)	Approx 7.6 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Float Charge	Equalization Charge
	2.25-2.30V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
	≤3% per month at 25°C (77°F). LPF series batteries may be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	
Self Discharge		

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)													
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	76.2	65.9	51.7	39.4	31.7	18.3	13.3	10.7	8.97	7.86	6.30	5.26	2.79
1.80V/cell	86.0	73.0	56.6	42.5	33.9	19.7	14.3	11.3	9.52	8.29	6.62	5.50	2.91
1.75V/cell	93.1	78.9	59.5	43.9	34.9	20.1	14.5	11.5	9.64	8.39	6.70	5.56	2.93
1.70V/cell	98.3	82.0	61.2	44.9	35.5	20.4	14.7	11.6	9.73	8.46	6.75	5.60	2.95
1.67V/cell	102.1	84.5	62.2	45.5	35.9	20.5	14.8	11.7	9.82	8.53	6.81	5.64	2.97
1.60V/cell	104.9	86.3	63.5	46.1	36.4	20.7	14.9	11.8	9.90	8.61	6.86	5.68	2.99
Constant Power Discharge (Watts/cell) at 25°C (77°F)													
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	146.5	127.8	100.9	77.2	62.4	36.3	26.5	21.3	17.9	15.8	12.7	10.6	5.63
1.80V/cell	164.4	140.6	109.9	82.9	66.5	38.9	28.3	22.6	19.0	16.6	13.3	11.1	5.87
1.75V/cell	176.5	151.1	114.9	85.5	68.3	39.6	28.8	22.9	19.2	16.8	13.4	11.2	5.90
1.70V/cell	184.6	155.6	117.3	86.7	69.2	39.9	28.9	23.0	19.3	16.9	13.5	11.2	5.93
1.67V/cell	188.8	158.3	117.8	87.2	69.3	40.0	29.0	23.1	19.4	17.0	13.6	11.3	5.95
1.60V/cell	190.9	159.6	119.0	87.5	69.8	40.2	29.1	23.2	19.5	17.1	13.7	11.3	5.98

LPF SERIES-FRONT TERMINAL

LPF12-55 (12V55Ah)



APPLICATIONS

- For standard power cabinet
- Network connection equipment of communication system
- Power system of special network of local area network
- Power station systems
- UPS

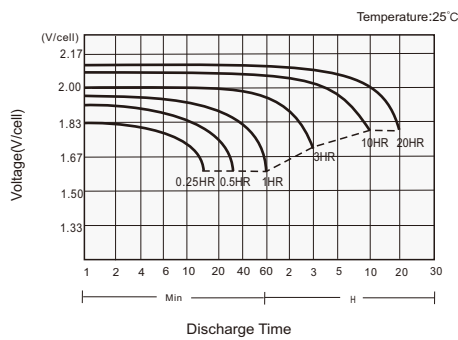
GENERAL FEATURES

- 12+ years design life (25°C)
- Puncture resistant micro-porous glass mat separators extend life
- Flame-arresting, one-way pressure-relief vent for safety and long life
- Front access design for easy installation and maintenance
- Epoxy-sealed posts eliminate leaks

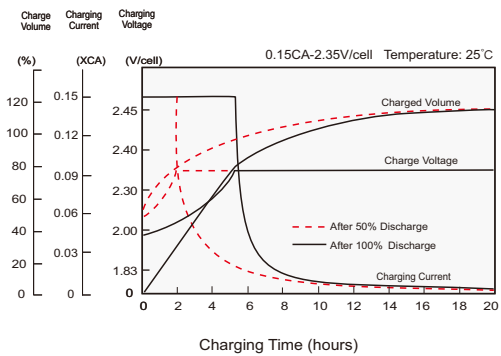
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

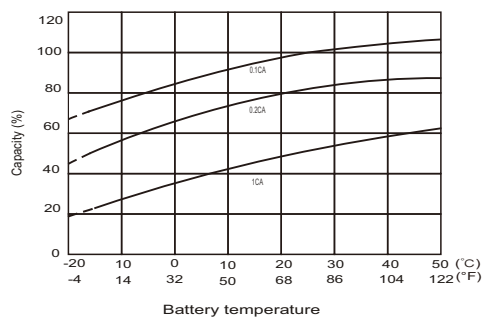
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

