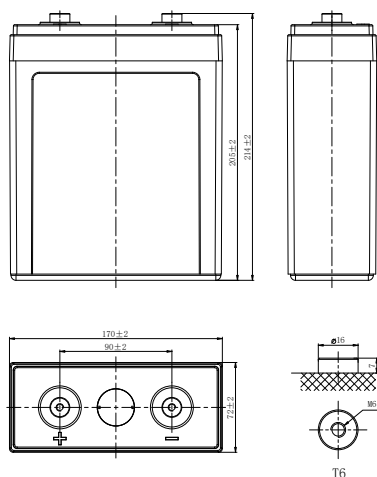


LP SERIES-GENERAL PURPOSE

LP2-65 (2V65Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	65Ah
Dimension	Length	170mm (6.69inches)
	Width	72mm (2.83inches)
	Container Height	205mm (8.07inches)
	Total Height	214mm (8.43inches)
Approx Weight	4.20kg (9.26lbs)	
Terminal	T6(M6)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	975A	
Internal Resistance (25°C)	Approx 1.2 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)	Standby Use	Cycle Use
	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%
Self Discharge	≤3% per month at 25°C (77°F). LP 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.	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)														
F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	75.0	59.0	53.1	42.6	33.8	22.8	19.3	15.3	12.5	10.7	9.63	7.53	6.04	3.17
1.80V/cell	85.0	66.7	59.2	46.6	35.8	24.1	20.3	16.3	13.1	11.1	10.0	7.72	6.50	3.41
1.75V/cell	92.1	72.0	61.8	48.9	38.0	25.5	21.2	16.5	13.6	11.5	10.3	7.85	6.56	3.45
1.70V/cell	97.8	76.4	62.5	50.1	39.7	26.7	22.0	17.1	13.9	11.6	10.4	7.98	6.63	3.48
1.67V/cell	100.6	78.5	63.5	51.3	41.1	27.6	22.7	17.6	14.2	11.8	10.6	8.11	6.69	3.51
1.60V/cell	103.7	80.5	64.4	51.9	41.6	28.3	23.0	17.9	14.4	12.0	10.7	8.17	6.76	3.55
Constant Power Discharge (Watts/cell) at 25°C (77°F)														
F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	142.1	112.2	97.3	74.3	54.3	41.4	34.1	26.0	21.4	19.6	17.3	12.9	10.8	5.70
1.80V/cell	158.9	125.6	108.5	81.8	58.4	44.6	36.8	27.8	22.6	20.7	18.2	13.3	11.0	5.80
1.75V/cell	169.6	134.0	113.2	85.6	61.4	46.6	38.2	28.7	23.3	21.4	18.7	13.5	11.1	5.80
1.70V/cell	178.3	140.9	114.6	87.6	64.2	48.2	39.2	29.5	24.0	21.8	19.1	13.6	11.2	5.90
1.67V/cell	181.2	143.2	116.4	89.9	67.0	49.9	40.3	30.4	24.6	22.0	19.3	13.7	11.3	6.00
1.60V/cell	183.8	145.2	118.2	92.1	69.7	51.4	41.1	31.0	24.9	22.4	19.6	14.0	11.5	6.10

LP SERIES-GENERAL PURPOSE

LP2-65 (2V65Ah)



APPLICATIONS

- Tele-communication central station (wired or cellular)
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.
- Uninterruptable Power System (UPS - for Telecom)

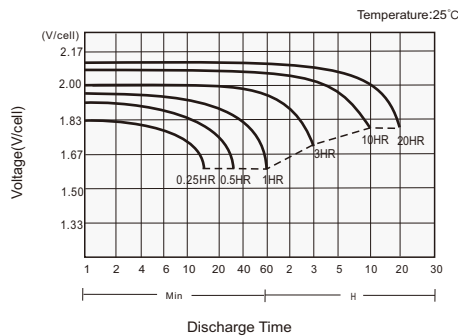
GENERAL FEATURES

- 15 years design life (25°C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

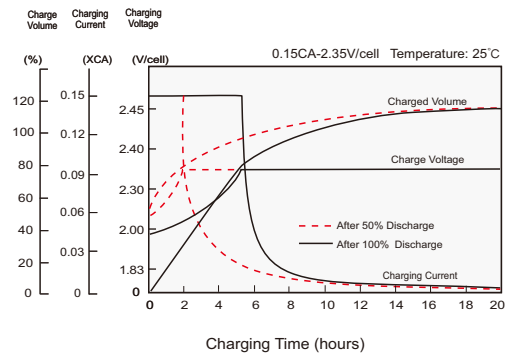
STANDARDS

- 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

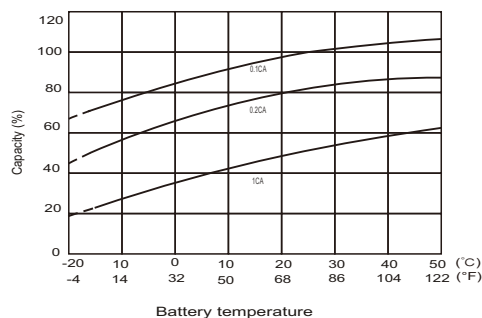
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

