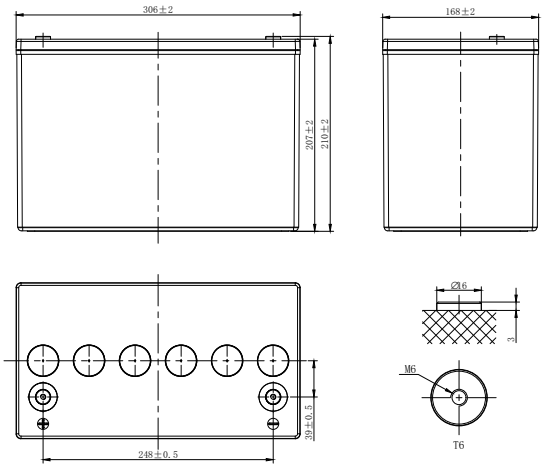
HXP-PURE LEAD HIGH RATE

HXP12-350 (12V350W)

LEOCH BATTERY



CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Rate (25℃)	W_{15},1.67V/cell	375.4W/cell
Nominal Capacity (25℃)	C_{10},1.80V/cell	90Ah
Dimension	Length	306mm (12.0inches)
	Width	168mm (6.61inches)
	Container Height	207mm (8.15inches)
	Total Height	210mm (8.27inches)
Approx Weight		29.5kg (65.0lbs)
Terminal		T6(M6)
Container Material		PC-ABS (UL94 V-0)
Short-circuit current		1980.0A
Internal Resistance (25℃)		Approx 4.0 mΩ (Fully charged)
Operating Temp. Range	Discharge	-40~65℃ (-40~149°F)
	Charge	-20~54℃ (-4~129°F)
	Storage	-20~50℃ (-4~122°F)
Nominal Operating Temp. Range		25±3℃ (77±5°F)
Max.Charging Current (25℃)		0.3C
Charge voltage (25℃)	Standby Use	Equalization Use
	2.27±0.02V/cell	2.35-2.40V/cell
Temp. Coeffcient	-3mV/cell/℃	-4mV/cell/℃
Effect of temp. to Capacity	40℃ (104°F)	103%
	25℃ (77°F)	100%
	0℃ (32°F)	86%
Self Discharge	HXP series batteries can be stored up to 24 months at 25°C(77°F), For higher temperatures the time interval will be shorter.Battery needs to be given a freshening charge when the OCV approach 2.10V/cell or when the maximum storage time is reached, whichever occurs first.	

DISCHARGE TABLE

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	227.9	178.0	147.4	123.4	96.2	70.7	57.5	33.8	24.5	19.2	15.9	13.7	10.8	8.89	4.65
1.80V/cell	255.0	198.3	160.5	133.4	101.9	74.1	60.3	35.1	25.2	19.9	16.4	14.1	11.0	9.00	4.77
1.75V/cell	284.6	217.5	173.5	142.5	107.1	77.5	62.7	35.9	25.8	20.2	16.8	14.4	11.3	9.29	4.88
1.70V/cell	315.4	235.9	184.6	151.6	112.5	80.9	64.7	36.7	26.3	20.7	17.2	14.7	11.5	9.47	4.96
1.67V/cell	348.7	252.4	197.7	159.9	117.9	83.6	66.5	37.4	26.8	21.1	17.4	15.0	11.7	9.64	5.05
1.60V/cell	378.2	269.0	211.0	167.0	123.2	88.0	69.8	38.4	27.3	21.5	17.8	15.3	12.0	9.80	5.18

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	445.5	349.4	290.6	246.9	191.4	141.5	115.3	68.0	49.3	38.9	32.3	27.8	19.5	18.3	9.63
1.80V/cell	493.0	385.1	313.1	264.3	201.0	147.4	119.9	70.1	50.5	39.9	33.2	28.4	19.9	18.7	9.81
1.75V/cell	544.3	418.4	335.5	279.8	209.5	152.7	123.7	71.3	51.4	40.4	33.6	29.0	20.3	18.9	9.98
1.70V/cell	596.1	448.6	352.9	294.6	217.7	157.9	126.5	72.3	52.1	41.2	34.2	29.3	20.5	19.2	10.1
1.67V/cell	653.5	476.4	375.4	308.6	226.8	162.5	129.4	73.3	52.8	41.7	34.5	29.7	23.4	19.4	10.3
1.60V/cell	700.8	502.0	396.3	319.4	234.8	169.0	134.5	74.7	53.3	42.1	35.0	30.0	23.7	19.5	10.4

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APPLICATIONS

- Data Centre
- UPS high power backup supply
- Emergency power supply
- Starting system
- Power tools

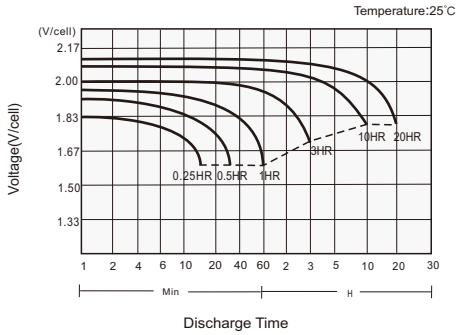
GENERAL FEATURES

- 15 years design life (25°C)
- Utlizes TPPL technology, thin positive grids and unique manufacturing process to maximize corrosion resistance and service life while increasing energy density
- Specifically designed for high-rate discharge applications
- Wide Wpc range of front and top terminal monoblocs
- UL 94 V-0 Case and cover heat sealed and 100% tested to prevent leaks

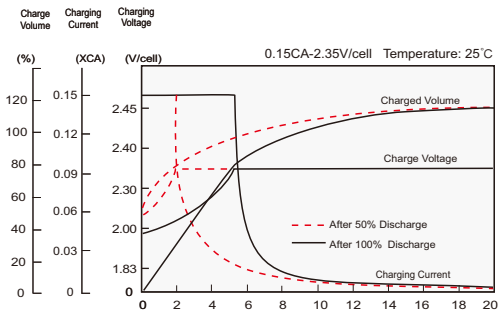
STANDARDS

- Compliance with IEC 60896 standards
- Classified as "Very Long Life" according to Eurobat
- Manufactured in Leoch®IATF 16949, ISO 45001,ISO 9001 and ISO 14001 certified production facilities

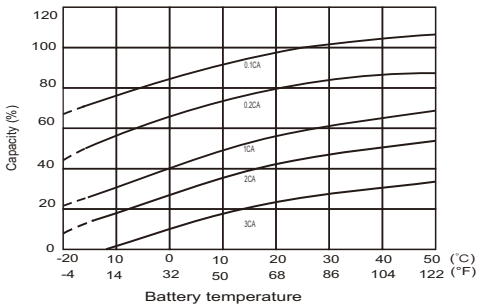
Discharge Characteristics



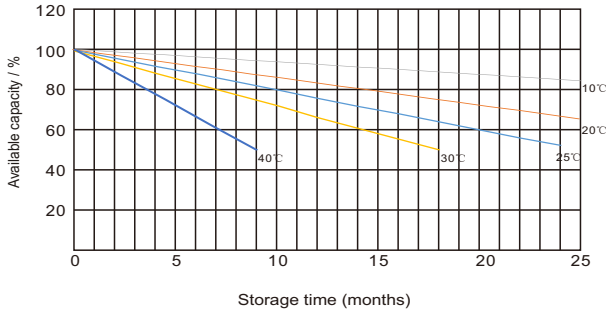
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



Leoch International Technology Ltd.
www.leoch.com

Leoch Batteries Pte Ltd
www.leoch.sg

Leoch Battery Corporation
www.leochamericas.com

Leoch Europe S.A.
www.leoch.eu

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