



EaglePicher®
Keeper®
Lithium Batteries

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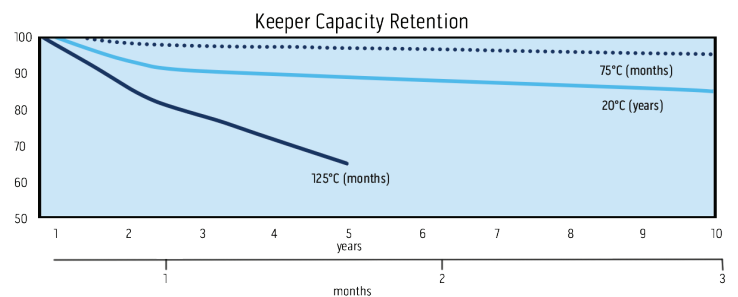
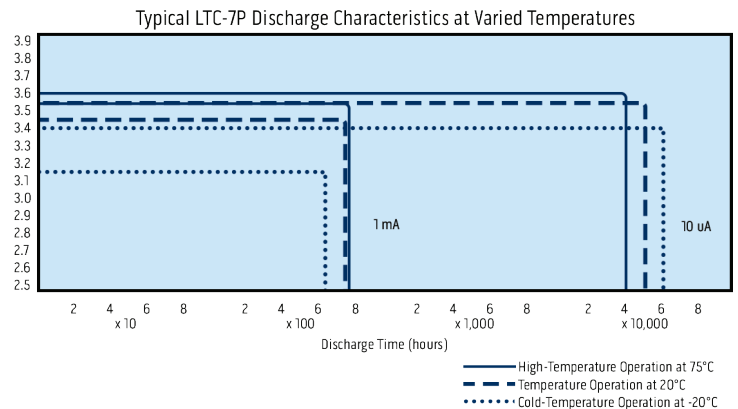
Keeper[®] Lithium Thionyl Chloride Batteries (Li/SOCl₂)

Trust EaglePicher[®] When it Matters Most

The electrochemistry of EaglePicher[®] Technologies' Keeper[®] lithium batteries ensures years of dependable service in stand-by and pulsing applications where long-life is required. Prismatic and cylindrical designs allow the Keeper to be customized to meet unique commercial applications.

Features

- Years of low-rate, continuous use
- Stand-by power for up to 15 years
- Wide temperature range
 - -55 to 85°C (-67 to 185°F) for standard cells
 - -55 to 130°C (-67 to 266°F) for high-temperature cells
- Prismatic shape offers highest utilization of valuable board space
- Energy density is significantly higher than other chemistries
- Wave solderability up to five seconds without detrimental effects
- High voltage means fewer cells required for high reliability
- Non-pressurized systems allow high-temperature usage
- Flat discharge characteristics provide optimum voltage regulation
- Hermetically sealed
- Underwriter Laboratories recognized component
- RoHS compliant
- UN tested



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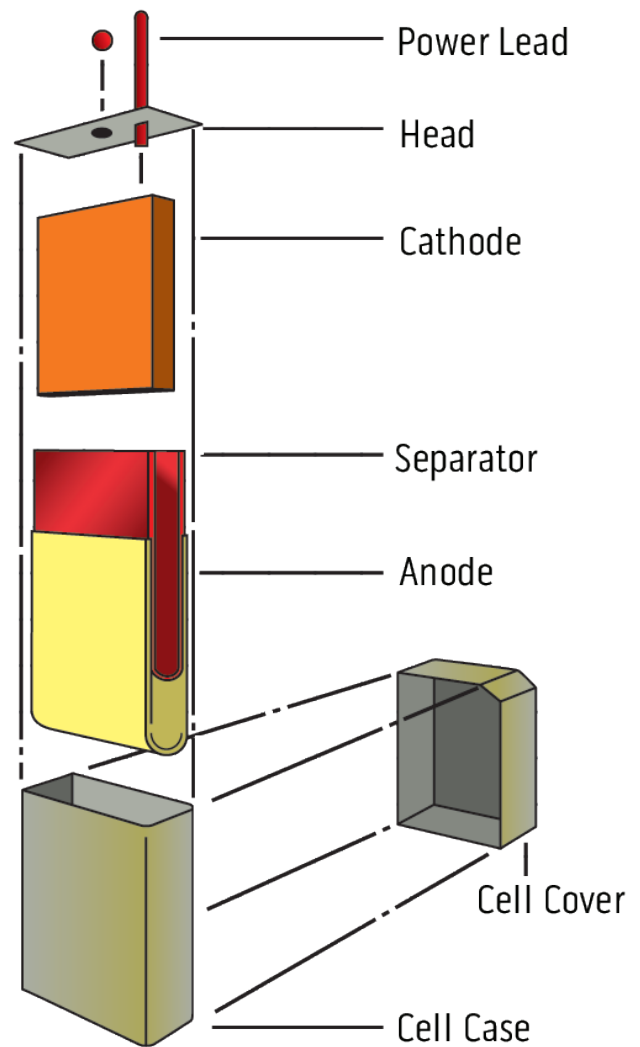
Applications

- Medical devices
- Automatic meter reading (AMR) devices
- House arrest systems
- Animal tracking
- Automotive
- Toll tags
- Global positioning systems (GPS)
- Military electronics
- Radio-frequency identification (RFID) devices
- Remote monitoring
- Oceanographic buoys
- Asset tracking
- Implantable medical devices
- Memory backup
- Down hole drilling

EaglePicher offers packages that combine cells with super capacitors for high-pulse applications requiring long life and wide temperature ranges.

EaglePicher has established itself as a world leader in the research, design, development and production of specialized batteries for aerospace, defense, medical and commercial industries. EaglePicher batteries have consistently met the most stringent requirements of the Department of Defense, NASA, as well as applications where reliability is the primary option.

Internal Construction of LTC-7 Series



EaglePicher batteries...because today's advanced technology demands batteries with a future.

Prismatic Keeper Batteries (Li/SOCl ₂)	Part Number	Nominal Voltage (V)	Capacity (mAh)	Max. Pulse to 3V (mA)	Length		Width		Thickness		Weight (grams)
					(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	
					LTC-3PN	3.5	350	10	0.60	15	
LTC-3PN-S2	3.5	350	10	0.65	17	0.26	7	0.60	15	4.6	
LTC-3PN-S4	3.5	350	10	0.60	15	0.26	7	0.65	17	4.6	
LTC-7PN	3.5	750	15	1.00	25	0.65	17	0.26	7	6.8	
LTC-7PN-S2	3.5	750	15	1.00	25	0.65	17	0.26	7	6.8	
LTC-7PN-S4	3.5	750	15	0.65	17	0.26	7	1.00	25	6.8	
LTC-7PN-SM-S4	3.5	750	15	1.00	25	0.70	18	0.26	7	6.8	
LTC-7P	3.5	750	15	1.20	30	0.70	18	0.35	9	9.0	
LTC-7PMP	3.5	1500	25	1.50	38	1.20	30	0.35	9	19.0	
LTC-7PMS	7.0	750	15	1.50	38	1.20	30	0.35	9	20.0	
LTC-16M-S2	3.5	1600	25	1.50	38	0.90	23	0.28	7	16.0	
LTC-16M-S4	3.5	1600	25	1.50	38	0.90	23	0.28	7	16.0	

Cylindrical Keeper Cells (Li/SOCl ₂)	Part Number	Universal Size	Nominal Voltage (V)	Capacity (mAh)	Max. Pulse to 3V (mA)	Diameter		Height		Weight (grams)
						(in.)	(mm)	(in.)	(mm)	
						PT-2150	1/2AA	3.6	1200	
PT-2175	2/3AA	3.6	1650	150	0.57	15	1.32	34	11.3	
PT-2100	AA	3.6	2400	200	0.57	15	1.99	51	17.6	
PT-1750	A	3.6	3400	200	0.66	17	2.00	51	22.0	
PT-2200	C	3.6	8500	400	1.03	26	1.97	50	51.0	
PT-2300	D	3.6	19000	500	1.32	34	2.36	60	97.0	

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