

Lithopack

3.6 or 7.2 V Primary lithium thionyl chloride battery pack series



A rugged, reliable and flexible 3.6 or 7.2 V battery pack concept for long-term applications requesting low current base currents combined with up to 800 mA surimposed pulses.

Key features

- Series or parallel assembly of two AA-size LS 14500 cells
(High Drain Capability- 2.25 Ah or High Capacity 2.75 Ah version)
- Cells with stainless steel container and hermetic glass-to-metal sealing
- ABS, flame-retardant (UL V2) plastic case
- High and stable voltage
- Low self-discharge rate
(less than 1% after 1 year of storage at +20°C)
- Compliant with IEC 86-4 safety standard
- Non restricted for transportation

Optional upon request

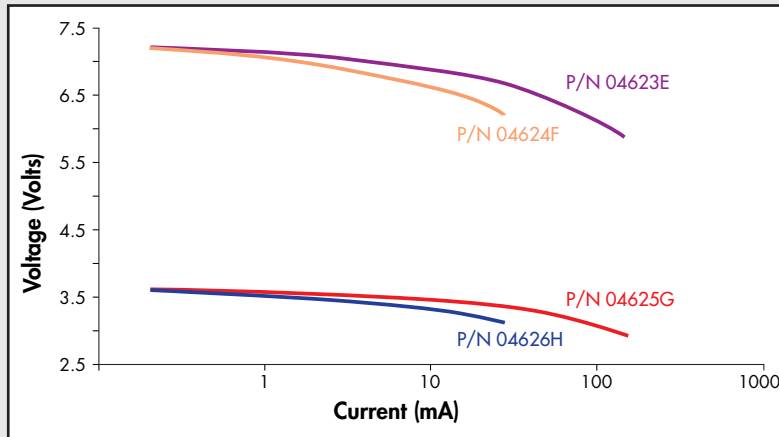
- Wires length and orientation
- Connector type
- Current limiting resistor in series (parallel cell pack)
- Velcro tape for holding
- Custom labelling

Main applications

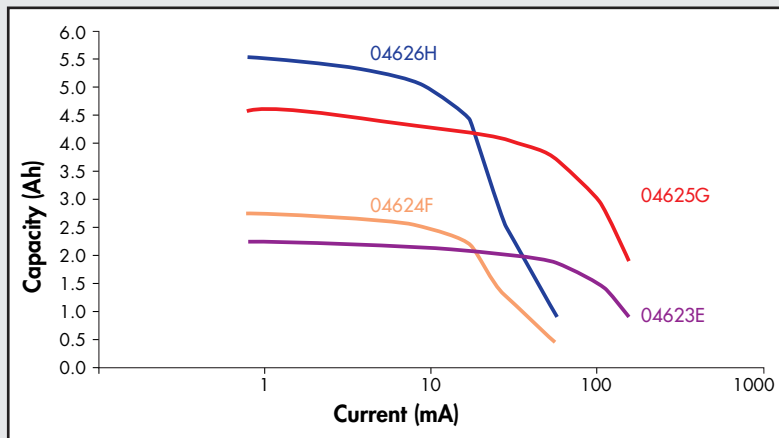
- Memory back-up
- Automatic meter readers
- Alarm equipments
- Utility meters
- Industrial electronics
- ... etc.

Pack design	2 LS 14500 in series	2 LS 14500C in series	2 LS 14500 in parallel	2 LS 14500C in parallel
Part number	04623E	04624F	04625G	04626H
Nominal capacity (at +20°C - 2.0 V cut off)	2.25 Ah (3 mA)	2.75 Ah (1 mA)	4.5 Ah (6 mA)	5.5 Ah (2 mA)
Open circuit voltage	7.34 V	7.34 V	3.67 V	3.67 V
Nominal voltage (at +20°C and given current)	7.2 V (0.2 mA)	7.2 V (0.2 mA)	3.6 V (0.4 mA)	3.6 V (0.4 mA)
1 sec./mn. pulse capability (to start above minimum voltage at +20°C)	400 mA (≥ 5 V)	250 mA (≥ 5 V)	800 mA (≥ 2.5 V)	500 mA (≥ 2.5 V)
Maximum recommended continuous current (to get 50% of the nominal capacity)	120 mA	25 mA	240 mA	50 mA
Storage (recommended) (possible)		+30°C max -60°C /+100°C		
Operating temperature range		-60°C /+85°C		
Weight		36 g		

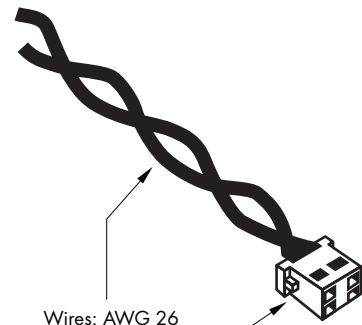
Cell voltage at mid-discharge versus Current (at +20°C)



Capacity (2.0 V cut off) versus Current (at +20°C)

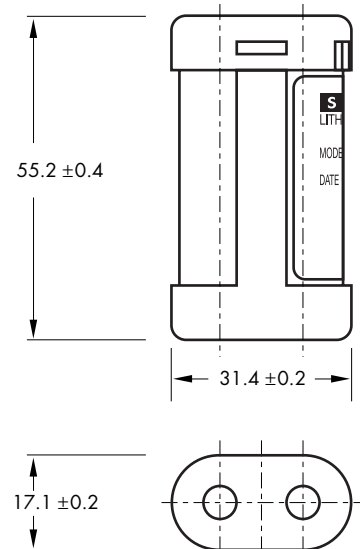


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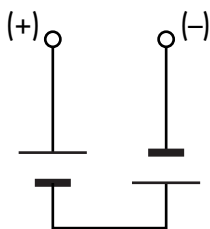
Wires: AWG 26

Housing: JST 02KR - 6S

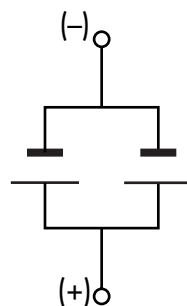


dimensions in mm

Electrical diagram



P/N 04623E
(2 LS 14500 cells in series)
P/N 04624F
(2 LS 14500C cells in series)



P/N 04625G
(2 LS 14500 cells in parallel)
P/N 04626H
(2 LS 14500C cells in parallel)



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