Primary Lithium Battery

ER341245 3.6V

3.6V Primary lithium-thionyl chloride
(Li-SOCl2) Energy Type

For low drain/long term operating applications requesting superior voltage response in -55°C ～+ 85°C environments

Cell size references   DD

Electrical characteristics

(Typical values relative to cells stored for one year or less at +30°C max.)

Nominal capacity (At 5mA +20°C,2.0V cut off.The capacity restored varies according to current,temperature,cut off)	38Ah
Open circuit voltage(At 20°C)	3.66V
Nominal voltage (At 5mA +20°C)	3.6 V
Max. continuous current (at +20°C)	400mA
Typical Max. Pulse current (at +20°C)	500mA

Pulse capability:Typically up to 500mA (500mA/0.1second pulses drained every 2min at 20°C from cells with 50µA base current,yield voltage readings above 3.0V.The readings may vary according to pulse characteristics,temperature and cell's previous history.Fitting the cell with a capacitor may be recommended in severe conditions.Consult ACT if necessary)
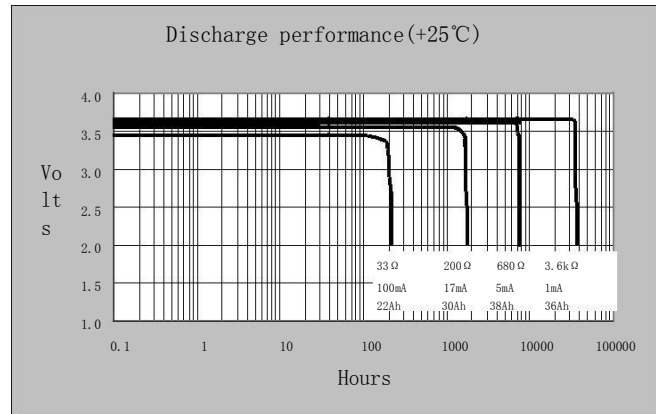
Storage (recommended)	+30°CMax
Operating temperature range (High and low temperature will lower the capacity and load voltage.)	-55°C~+85°C

Physical characteristics

Diameter(Max)	34mm
Height(Max)	124.5mm
Typical weight	195g

ER341245

(+)

Φ4

124,5Max

Φ34,2Max

Discharge performance (+25℃)

Volts

	33Ω	200Ω	680Ω	3.6kΩ
	100mA	17mA	5mA	1mA
	22Ah	30Ah	38Ah	36Ah

Hours

Key features

>High and stable load voltage
>Superior drain capacity >Low
self-discharge rate
  (less than 1% after 1 year of storage at
  20°C)
>Stainless steel container
>Hermetic glass-to-metal sealing
>Laser welding
>Non-flammable electrolyte

Main applications

>Radiocommunication and other
  military applications
>Alarms and security systems
>Beacons and emergency location
  transmitters >GPS
equipment
>Metering systems
>Led lighting applications
>Others

Capacity vs Current

Capacity (Ah)

+20℃
+70℃
-40℃
-20℃

Current (mA)

Storage

>Cells should be stored in a clean
  &dry(less than 30% RH) area
>Temp. should not exceed +30°C

Warning

>Do not use if cell casing is mangled
>Do not use different model of cell
  in series
>Soldering the tag should be finished in
  few seconds
>Do not try to recharge

Votage vs Current

Voltage (V)

+70℃
+20℃
-40℃
-20

Current (mA)