

# TADIRAN LITHIUM BATTERY RANGE

## WHO ARE TADIRAN

Tadiran Batteries is one of the leading manufacturers of primary (non rechargeable) lithium batteries in Europe. Tadiran has been supplying the industrial market for over 25 years in highly demanding applications. DMS technologies' experience with lithium primary cells means that we can provide complete support when supplying Tadiran batteries.



## APPLICATIONS

- GPS Tracking Devices
- Tank level monitoring
- Pipe line monitoring
- Data loggers
- Oceanographic devices
- Automatic meter reading
- Defibrillators and other medical device

## BENEFITS

- High and Stable Voltage 3.6V
- 36Ah Maximum Capacity (DD size)
- Wide Temperature Range (-55 to +85°C)
- High reliability, UL and UN approved
- 10 Year Storage Life, Very Low Self Discharge
- High Pulse Current Capability (PulsesPlus™)
- Immediate Response - No Passivation

# SPECIFICATIONS

## STANDARD CYLINDRICAL CELLS

Cell	Nominal Capacity	Maximum Continuous Discharge	Maximum Pulse Discharge	Dimensions (mm)		Weight (g)
				Diameter	Height	
1/2 AA	1.1Ah	50mA	100mA	14.5	25.2	9.6
2/3 AA	1.5Ah	75mA	150mA	14.5	33.5	12.5
AA	2.4Ah	100mA	200mA	14.5	50.5	18
C	8.5Ah	230mA	400mA	26.2	50.0	49.5
D	19.0Ah	230mA	500mA	32.9	61.5	93
DD	35.0Ah	450mA	1000mA	32.9	124.5	190



## BOBBIN-TYPE CONSTRUCTION

$\text{LiSOCl}_2$  Long life lithium batteries are constructed two ways, using spirally wound or bobbin-type construction.

Of the two alternatives, bobbin-type  $\text{LiSOCl}_2$  cells deliver the higher energy density (1420 Wh/l) along with higher capacity, as well as the ability to withstand more extreme temperatures (-55°C to 125°C), with specialized models adaptable down to cold-chain temperatures of -80°C.