

High Pulse Capacitor

HPC+ ER Li-SOCl₂ Battery

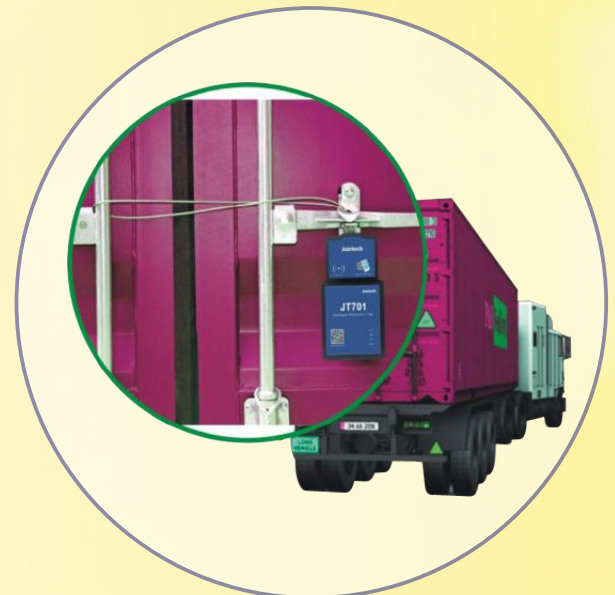
The High Pulse Capacitors (HPC) Cell is a special high-current discharge energy storage device that can operate in a temperature range of -40°C to 85°C pulse discharge. The design is composed of a long-life Lithium (Li-SOCl₂) battery and high pulse capacitor in parallel, together with a unique safety valve and sealing, a safe and reliable power system is achieved. This power system is the ideal for long-term standby and high-current pulse applications.

■ Key Features

- High and stable voltage 3.6V
- High pulse current capability
- No passivation effects
- Wide operating temperature range (-40°C to +85°C)
- Long storage life and very low self-discharge (less than 2% per year)
- High safety and reliability (Hermetic laser sealing)
- Excellent performance at low / high temperature

■ Main Applications

- GPS tracking devices/GSM modems
- Utility meters (AMR)
- Emergency & medical devices
- Asset, container & cargo tracking
- Communication equipment
- RFID transponders
- Data loggers
- Sonar Buoys



■ HPC High Pulse Cell Capacitor :

Model	Capacity (mAh) (3.6V)	Capacity (mAh) (3.9V)	Max. charge voltage (V)	Max. charge current (mA)	Max. cont. discharge current (mA)	Max. pulse discharge current (mA)	End Voltage (V)	Cell impedance (mΩ)	Dimension (DxH mm)	Average Weight (g)
HPC1520	40	70	4.1	25	500	2000	2.5	≤250	Φ15x20	9
HPC1530	80	140	4.1	50	750	3000	2.5	≤120	Φ15x27	10
HPC1550	230	355	4.1	100	2000	5000	2.5	≤100	Φ15x50	20



HPC1530



HPC1520



HPC1550

■ ER Battery + HPC High Pulse Capacitor

Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Max. Cont. Discharge Current (mA)	Max. Pulse Discharge Current (mA)	Size
ER14505+HPC1520	3.6	2400	500	2000	AA+2/5AA
ER18505+HPC1520	3.6	8500	500	2000	A+2/5AA
ER26500+HPC1520	3.6	8500	500	2000	C+2/5AA
ER34615+HPC1520	3.6	19000	500	2000	D+2/5AA
ER14505+HPC1530	3.6	2400	750	3000	AA+2/3AA
ER26500+HPC1530	3.6	8500	750	3000	C+2/3AA
ER34615+HPC1530	3.6	19000	750	3000	D+2/3AA
ER14505+HPC1550	3.6	2400	2000	5000	AA+AA
ER26500+HPC1550	3.6	8500	2000	5000	C+AA
ER34615+HPC1550	3.6	19000	2000	5000	D+AA



ER34615+HPC1550



ER26500+HPC1530



ER34615+HPC1520