Lithium Polymer Primary Thin Cell Batteries

CP Series from 16mAh to 3000mAh

www.powersolve.co.uk

FEATURES

- Very low profile can be manufactured down to 0.4mm thick
- Batteries are very safe and are explosion proof
- Very low self discharge of around 1% per annum
- 10 year shelf life
- Very light weight
- Laminated aluminium thin foil construction
- 3V DC output
- Wide operating temperature range of -20 to +60ºC
- Can be manufactured in custom sizes to suit customer applications (subject to quantities)

APPLICATIONS

Applications for thin cell technology includes smart cards, asset tracking tags, electronic tracking systems, smoke detectors, medical equipment and in fact any low powered equipment designed to rund of primary cells where size of the battery is a major design factor

Thin Battery Standard Product List

Type	Nominal capacity mAh	Nominal Voltage	Current (continuous)	Current (pulse)	Standard discharge current mA	Cut off voltage	Dimensions mm (max) T x W x H	Weight grams
CP452922	16	3.0	9	10/40	0.35	2.0	0.45 x 29 x 22	0.5
CP102015	20	3.0	10	20	1.0	2.0	1.0 x 20 x 15	0.7
CP452345	30	3.0	12.5	30	1.0	2.0	0.45 x 23 x 45	0.7
CP202914	65	3.0	20	30	1.0	2.0	2.1 x 29 x 15	1.5
CP142828	100	3.0	20	30	1.0	2.0	1.4 x 28 x 28	1.5
CP153030	120	3.0	50	100	1.0	2.0	1.5 x 30 x 30	2.5
CP105050	200	3.0	50	80	1.0	2.0	1.0 x 50 x 50	3.5
CP203045	400	3.0	100	200	1.0	2.0	2.1 x 30 x 46	4.5
CP203345	450	3.0	100	200	1.0	2.0	2.1 x 33 x 46	5.0
CP202850	500	3.0	150	300	1.0	2.0	2.1 x 28 x 51	5.5
CP204440	500	3.0	150	300	1.0	2.0	2.1 x 44 x 41	5.5
CP223045	480	3.0	150	300	1.0	2.0	2.3 x 30 x46	5.5
CP225040	750	3.0	200	500	1.0	2.0	2.3 x 50 x41	7.0
CP234044	650	3.0	200	500	1.0	2.0	2.3 x 40 x 45	7.0
CP254442	800	3.0	300	500	1.0	2.0	2.6 x 44 x 43	6.5
CP264845	1000	3.0	300	800	1.0	2.0	2.6 x 48 x 45	9.0
CP304042	800	3.0	300	500	1.0	2.0	3.0 x 40 x 43	7.5
CP304440	900	3.0	400	800	5.0	2.0	3.0 x 44 x 41	8.5
CP305050	1600	3.0	600	1000	5.0	2.0	3.1 x 50 x51	13.0
CP355050	2000	3.0	800	1200	5.0	2.0	3.5 x 50 x 51	17.5
CP483042	1200	3.0	500	800	5.0	2.0	4.8 x 30 x 43	9.0
CP502440	1200	3.0	400	800	1.0	2.0	5.1 x 24 x 41	8.5
CP502525	550	3.0	200	300	1.0	2.0	5.0 x 25 x 26	6.0
CP503245	1600	3.0	800	1000	5.0	2.0	5.0 x 32 x 46	13.0
CP503440	1500	3.0	500	1000	5.0	2.0	5.0 x 34 x 41	12.5
CP503742	1900	3.0	800	1000	5.0	2.0	5.0 x 37 x 42	16.0
CP504644	2300	3.0	1200	1500	5.0	2.0	5.0 x 46 x 45	17.5
CP505050	3000	3.0	1500	2000	5.0	2.0	5.0 x 50 x 51	23.0
CP603450	2300	3.0	1200	1500	5.0	2.0	6.0 x 34 x 51	18.0

Powersolve Electronics Ltd. 8A Arnhem Road, Newbury, RG14 5RU. England
Tel: 01635 521858 Fax: 01635 523771 Email: sales@powersolve.co.uk