

Curved Li-Po batteries have been designed by GMB Battery to cater for some custom applications requiring very thin and flexible batteries to fit into irregular shapes and sizes. The maximum thickness of a curved cell is about 2 mm, though 2.5mm cells can be curved if the radius is large enough.

Most of these cells are custom made but some models are available off the shelf in small quantities needed for evaluation, prototyping and initial stages of product development.

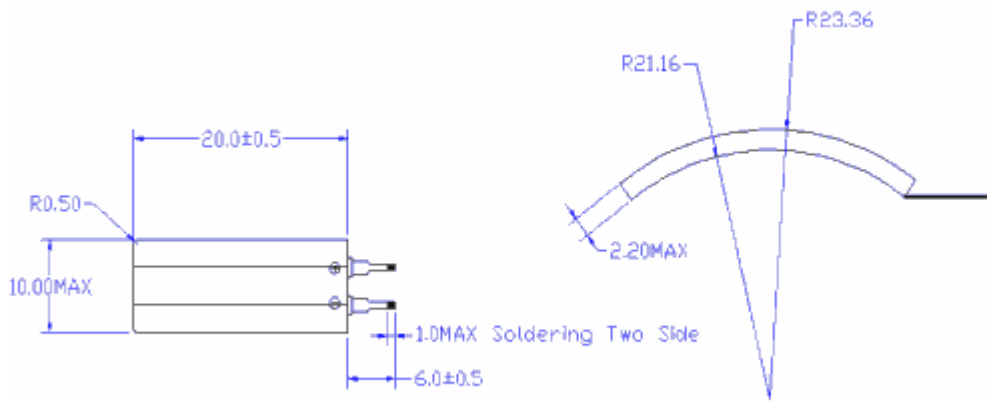
Features:

1. High operating voltage (3.7V average, 4.2 volts peak)
2. Curved, light weight and very thin.
3. Similar in all other ways to standard lithium polymer cells.

Note on safety boards: The PCB or "protection circuit board" is optional, and only included when requested. Some of our in-stock cells have the PCB installed. The PCB prevents the cell from being over-discharged, short circuited, or exposed to a charging voltage that is dangerous.

The following cells are permanently bent as stocked	Bending radii	Length mm	Width mm	Height mm	Weight (g)	Cap (mAh)
GM201021-R 27mAh	23.6mm Outside 21.2mm Inside (see drawing below)	21	10	2	0.7	27

The following cells are bendable, but shipped flat. The thinner cells bend more cleanly than the thicker ones	Length mm	Width mm	Height mm	Weight g	Cap (mAh)
PGEB021212 10mAh	12	12	0.2	0.5	10
PGEB021235 40 mAh	35	12	0.2	0.8	40
PGEB0052081 40 mAh	81	20	0.05	0.8	40
PGEB0054018 10 mAh	18	40	0.05	0.6	10
PGEB014018 25 mAh	18	40	0.1	0.3	25
PGEB0104348 130mAh	48	43	0.1	1	130
PGEB016144 200 mAh	44	61	0.1	1.2	200
PGEB0054338 45 mAh	38	43	0.05	1	45
PGEB0083559 65 mAh	59	35	0.08	1.2	65
PGEB01180270 (2.2 to 2.5AH)	270	80	1.1	10	2.2



The GM201021-R showing how it is curved.

Quantity pricing is based on one order, one shipment. Allow time for ocean freight from China for large quantities of lithium containing cells.

Caution:

- (1) Do not short-circuit and do not overcharge lithium ion polymer cells.
- (2) Do not over-discharge , dent, crush, or burn the lithium polymer cells.
- (3) The lithium polymer battery should be charged in a safe manner, and never overcharged or overdischarged.
- (4) Do not try to solder directly to lithium polymer batteries .
- (5) Do not disassemble lithium polymer batteries.
- (6) Do not use lithium polymer batteries outside the specified temperature range