

LITHIUM-ION

LITHIUM-ION A perfect combination of high energy density (e.g. NNP technology), safety (e.g. PSS and HRL technology) and long-life shows what is possible with Lithium-Ion battery technology from Panasonic. Excellent battery safety on one hand, and superior battery performance on the other: this is what Panasonic stands for.

CYLINDRICAL SINGLE CELL

RECHARGEABLE 3.6V • 3.7V

Model number	Technology*1	Nominal voltage (V)	Typical capacity*2 (mAh)	Dimensions (mm)		Weight (max. g)
				Diameter	Height	
UR-14430Y	Li-Ion standard type	3.7	530	13.9	42.9	16.4
UR-14430P	Li-Ion standard type	3.7	700	13.9	42.9	17.5
UR-14500Y	Li-Ion standard type	3.7	710	13.9	49.2	19.3
UR-14500P	Li-Ion standard type	3.7	840	13.9	49.2	20.0
UR-14650P	Li-Ion standard type	3.7	980	13.9	64.7	26.0
UR-14650ZT	High voltage charge system	3.7	2,200*3	16.4	64.9	40.0
UR-18500Y	Li-Ion standard type	3.7	1,400	18.1	49.3	31.9
UR-18500F	Li-Ion standard type	3.7	1,700	18.1	49.3	33.5
UR-18650SA	Li-Ion high power type	3.7	1,300	18.1	64.8	44.3
UR-18650SAX	Li-Ion high power type	3.7	1,350	18.1	64.8	45.0
UR-18650W	Li-Ion high power type	3.7	1,600	18.1	64.8	46.5
UR-18650WX	Li-Ion high power type	3.7	1,600	18.1	64.8	45.8
UR-18650Y	Li-Ion standard type	3.7	2,000	18.1	64.8	43.3
UR-18650E	Li-Ion high power type	3.6	2,150	18.1	64.8	44.5
UR-18650A	Li-Ion standard type	3.6	2,250	18.1	64.8	43.0
NCR-18500	NNP + HRL	3.6	2,000	18.2	49.4	34.0
UR-18650ZY	Li-Ion standard type	3.7	2,600	18.2	64.8	47.0
UR-18650ZT	High voltage charge system	3.7	2,800*3	18.2	65.1	48.0
NCR-18650	NNP + HRL	3.6	2,900	18.2	65.1	45.5
NCR-18650F	NNP + HRL	3.6	2,900	18.2	65.1	45.5
UR-18650ZTA	High voltage charge system	3.7	3,000*4	18.2	65.1	48.0
NCR-18650A	NNP + HRL	3.6	3,070	18.2	65.1	46.3
NCR-18650B	NNP + HRL	3.6	3,350	18.3	65.1	47.5
NCR-18650E	NNP + HRL + Li-Ion high power type	3.6	2,250	18.6	65.2	45.5

Applications

- Power tool
- GPS device
- Handheld
- Shaver
- Toothbrush
- E-bike
- Notebook
- Garden tool, etc.

Features

- High energy density and high voltage (3.7V) ensure small battery dimensions
- Long-life, stable power supply with flat discharge voltage
- Use of Lithium-Ion batteries requires a safety unit
- Safety technology HRL available

... we as KTM Sportmotorcycle AG have experienced that Panasonic Li-Ion batteries provide continuously high power and enhanced safety for electric motorcycles due to its superior technology.

Mr. Johannes Proschek
Product Manager E-Mobility
KTM Sportmotorcycle AG

Notice to Readers

We are unable to support single cell business or accept orders from consumers. We design Lithium-Ion battery packs including a suitable safety unit device based on the technical specification of the customer. Due to the need for careful review when selecting Lithium-Ion battery solutions please contact your local Panasonic sales office. In order to avoid a lack of supply please check the battery availability with your Panasonic sales team before design-in.

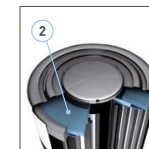
*1 Please find the explanations of our technologies on the following pages.

*2 4.2V charge *3 4.3V charge *4 4.35V charge

LITHIUM-ION

LI-ION • 3D ILLUSTRATION*1

- 1 Positive pole
- 2 PTC (Positive Temperature Coefficient Device)
- 3 Gasket
- 4 Collector
- 5 Insulator
- 6 Cathode
- 7 Anode
- 8 Negative pole (cell can)
- 9 Separator
- 10 CID (Current Interrupt Device)
- 11 Exhaust gas hole



VIDEO



Scan QR code to view 3D animated video.

PRISMATIC SINGLE CELL

RECHARGEABLE 3.7V • 3.8V

Model number	Technology*2	Nominal voltage (V)	Typical capacity*3 (mAh)	Dimensions (mm)			Weight (max. g)
				Height	Thickness	Width	
UF-553436G	LCO system	3.7	830	35.6	5.5	33.9	15.6
UF-653436SU	LCO system	3.7	930	35.7	6.3	33.9	17.8
UF-752836F	LCO system	3.7	890	35.8	7.5	28.0	17.3
UF-583136R	LCO system	3.7	740	36.3	5.6	31.2	14.2
UF-553939S	LCO system	3.7	1,050	38.4	5.5	38.9	19.4
UF-6534455T	High voltage charge system	3.8	1,260*4	38.8	6.3	44.5	22.3
UF-6530395U	LCO system	3.7	960	38.8	6.4	30.0	17.5
UF-703141FU	LCO system	3.7	1,090	40.7	7.1	30.5	20.9
UF-4634439U	LCO system	3.7	850	42.6	4.6	33.9	16.0
UF-564447F	LCO system	3.7	1,420	46.6	5.6	43.9	27.0
UF-624447F	LCO system	3.7	1,580	46.6	6.2	43.9	29.9
UF-5151485T	High voltage charge system	3.8	1,660*4	47.5	5.1	50.9	28.7
UF-103450P	LCO system	3.7	2,000	48.8	10.5	33.8	38.5
UF-463450F	LCO system	3.7	960	49.6	4.5	33.9	18.5
UF-553450Z	LCO system	3.7	1,200	49.8	5.6	33.9	22.3
UF-653450S	LCO system	3.7	1,300	49.8	6.4	33.9	25.1
UF-703450F	LCO system	3.7	1,480	49.8	7.0	33.9	28.1
CGA-103450A	PSS	3.7	1,950	50.0	10.6	34.0	39.0
UF-4952525T	High voltage charge system	3.8	1,720*4	51.5	4.9	51.9	30.3
UF-534553F	LCO system	3.7	1,580	52.5	5.3	44.9	29.9
UF-534553FT	High voltage charge system	3.8	1,680*4	52.5	5.3	44.9	29.3
UF-485155S	LCO system	3.7	1,710	55.0	4.8	50.9	31.9
UF-495255S	LCO system	3.7	1,760	55.0	4.9	51.9	33.1
UF-4952555T	High voltage charge system	3.8	1,870*4	55.0	4.9	51.9	32.3
UF-514657F	LCO system	3.7	1,730	56.5	5.1	46.1	31.4
UF-384961S	LCO system	3.7	1,450	61.0	3.8	48.8	27.5
UF-464462FT	High voltage charge system	3.8	1,580*4	61.4	4.4	43.6	28.4
UF-464462F	LCO system	3.7	1,520	61.4	4.5	43.6	29.1
UF-484462S	LCO system	3.7	1,590	61.7	4.7	43.9	30.3
UF-4844625T	High voltage charge system	3.8	1,710*4	61.7	4.7	43.9	30.0

*1 Some batteries are not equipped with a PTC. Please consult Panasonic for further information. The illustration shows only one example of a Li-Ion battery structure.

*2 Please find the explanations of our technologies on the following pages.

*3 4.2V charge *4 4.35V charge

