No.1 Lithium Metal Battery Manufacturer (Li-Primary Battery, Li-Rech. Battery)

COROS
PRODUCTS
APPLICATIONS
INFORMATION

3.6V Lithium Thionyl Chloride Battery (ER type)

3.0V Lithium Manganese Dioxide Battery (CR type)

High Pulse Capacitor (HPC) with Li-SOCl2 Bobbin Cell for Data Communication

COROS Battery Company

COROS Battery is a specialized Lithium primary battery (3.0V, 3.6V, 3.9V) manufacturer and supplier with outstanding experience in Korea. Also, COROS Battery is expanding secondary battery business sectors like Li-ion and Li-polymer cells, Rechargeable battery packs, BMS, ESS and etc. based on our stable supply channel networks of Lithium rechargeable batteries.

By our own excellent research team, COROS Battery will mass produce developed special lithium primary batteries such as high temperature cells and other miliary batteries soon. Also, COROS Battery will endeavor to the lithium metal-based secondary batteries from the development of key materials to the product realization of Lithium Sulfur Batteries and Solid-state Lithium Metal Rechargeable Batteries.

COROS Battery also provides hybrid or creative energy solutions with lithium primary cells connected HPC (Hybrid Pulse Capacitor), LIC (Lithium Ion Capacitor) and EDLC (Supercapacitors) together.

Core Competence

#1: High Understanding of the Battery Market

- ► Over 25 years of experience in the primary & secondary batteries
- ► High understanding of the product & market
- ► Exact customer requirements analysis
- ► Technical support & Quality assurance

#2: Battery Design & Production

- ► Professional staff with experienced cell design & Production: 1 Ph.D (>15yrs) and 4 engineers
- ► Quick development and mass production
- ► Understanding of key quality control & SPC controls
- ► Development of Next generation & special batteries
- ► Secondary Battery & Pack Development

#3: Battery Field Global Network

- ► Strong relationship with >100 worldwide Li-secondary and primary battery pack manufacturers: >250 companies
- ► Exhibition, Seminar Battery Networking
- ► Global battery networking technology & cooperation

#4: High Reliability among Partners

- ► Established the strategic partnership
- ► Win-win cooperation

Certification & Award

ISO9001, UL, Venture Company, 5mil. Export Award

3-1.Product lines

Li-$SOCl_2$ Bobbin type

Product	Size	Standard	Nominal Voltage	Nominal Capacity	Max. Cont. Dis. Current	Max. Pulse Dis. Current	Temperature Range
CLE-03	1/2AA	ER14250	3.6V	1.2Ah	40mA	80mA	-55~+85°C
CLE-04	2/3AA	ER14335	3.6V	1.65Ah	70mA	140mA	-55~+85°C
CLE-06	AA	ER14505	3.6V	2.4Ah	100mA	200mA	-55~+85°C
CLE-10	A	ER17505	3.6V	3.6Ah	100mA	200mA	-55~+85°C
CLE-14	C	ER26500	3.6V	8.5Ah	150mA	300mA	-55~+85°C
CLE-20	D	ER33600	3.6V	19.0Ah	300mA	400mA	-55~+85°C
CLE-209	D	ER33600	3.9V	16Ah	300mA	400mA	-40~+85°C

- Applications : Medium, Low current (AMR, Asset tracking, Sensor, Memory Back-up)

Lithium Primary Battery (Li-$SOCl_2$)

CLE-03

3.6V, 1/2AA Bobbin

Specifications

Standard	ER14250
Nominal Voltage	3.6V
Nominal Capacity (@~1mA,to 2.0V)	1.2Ah
Max. Cont. Current	40mA
Max. Pulse Current	80mA
Operating Temp. range	-55~+85°C
Lithium Contents	~0.3g
Weight	9g
UL Filing No.	MH66316

Dimension

(Unit: mm)

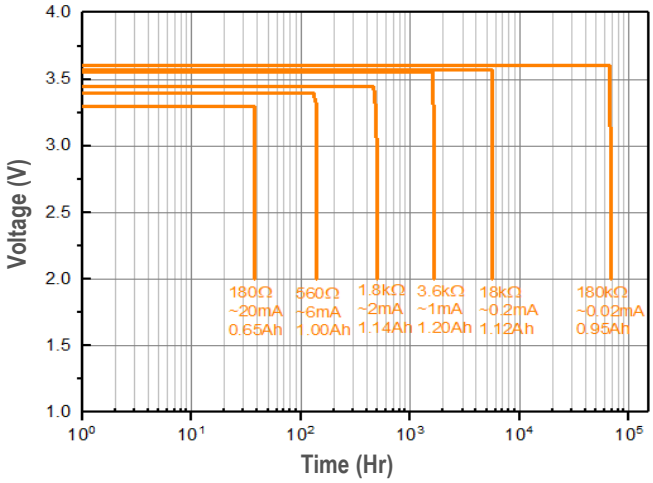
Available Terminals & Connectors

T1, T2, T3, T3R, T3EU, T3EUR, AX,
Wire, C&W, Case (custom type)

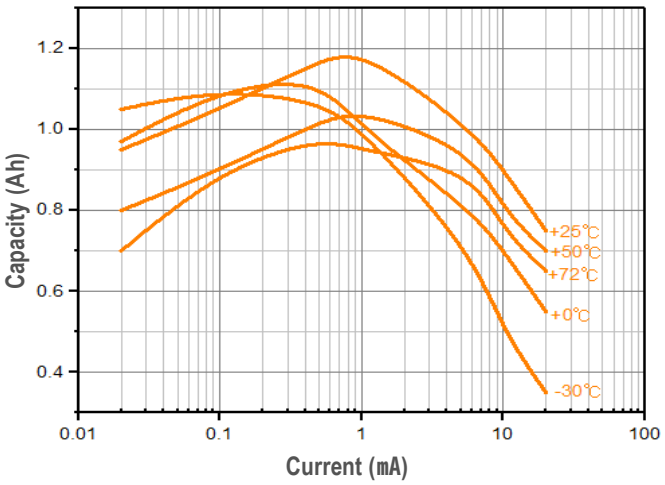
WARNING

Fire, explosion, and severe burn hazards.
Do not disassemble
Do not heat above 100°C
Do not recharge, short circuit, crush, incinerate, or expose contents to water

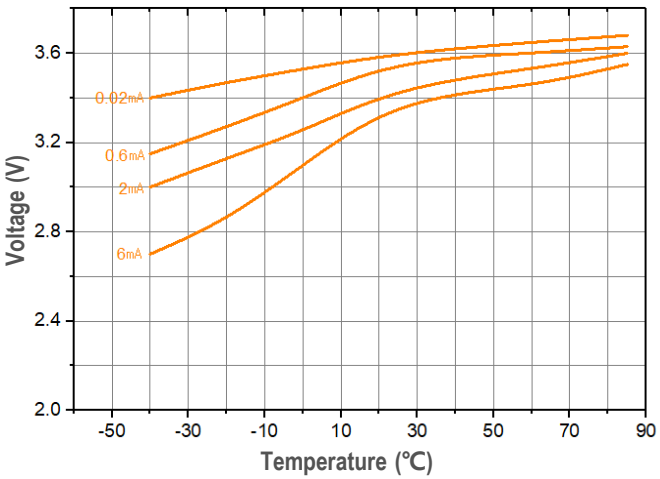
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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V-23A

Lithium Primary Battery (Li-$SOCl_2$)

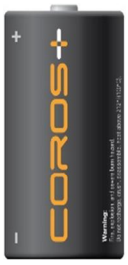
CLE-04

3.6V, 2/3AA Bobbin

Specifications

Standard	ER14335
Nominal Voltage	3.6V
Nominal Capacity (@~1mA,to 2.0V)	1.65Ah
Max. Cont. Current	70mA
Max. Pulse Current	140mA
Operating Temp. range	-55~+85°C
Lithium Contents	~0.4g
Weight	13g
UL Filing No.	MH66316

Dimension



(Unit: mm)

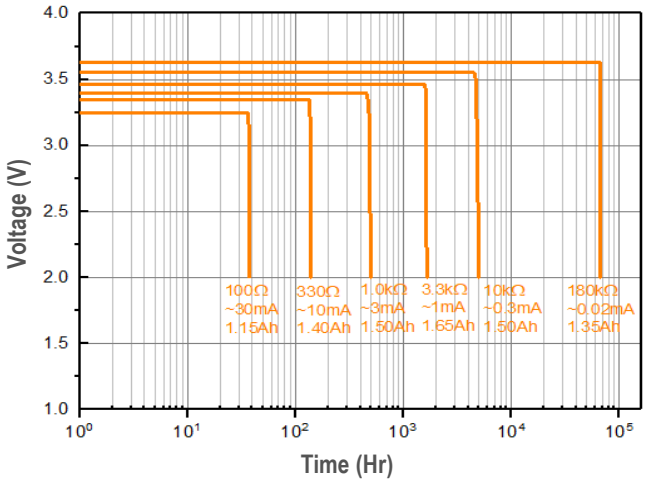
Available Terminals & Connectors

T1, T2, T3, T3R, T3EU, T3EUR, AX,
Wire, C&W (custom type)

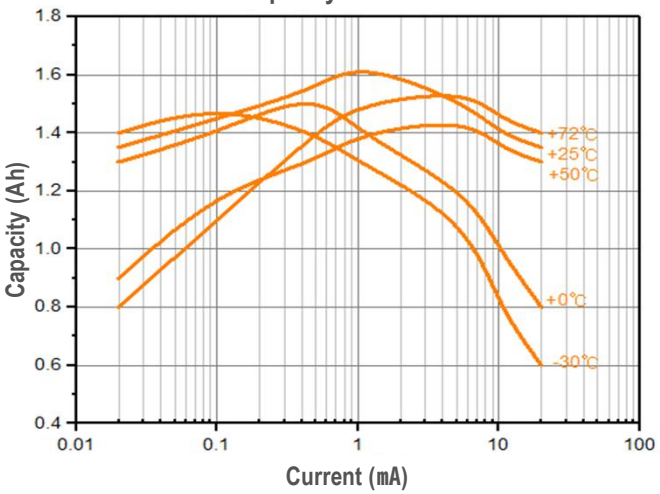
WARNING

Fire, explosion, and severe burn hazards.
Do not disassemble
Do not heat above 100°C
Do not recharge, short circuit, crush, incinerate, or expose contents to water

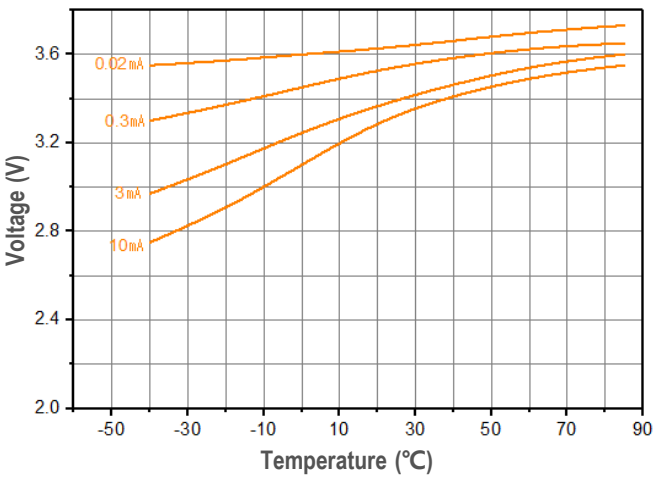
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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V-23A

Lithium Primary Battery (Li-$SOCl_2$)

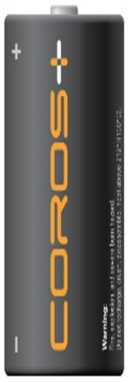
CLE-06

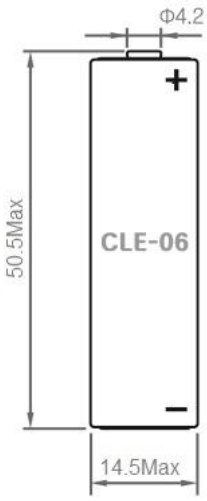
3.6V, AA Bobbin

Specifications

Standard	ER14505
Nominal Voltage	3.6V
Nominal Capacity (@~2mA,to 2.0V)	2.5Ah
Max. Cont. Current	100mA
Max. Pulse Current	200mA
Operating Temp. range	-55~+85°C
Lithium Contents	~0.6g
Weight	17g
UL Filing No.	MH66316

Dimension





(Unit: mm)

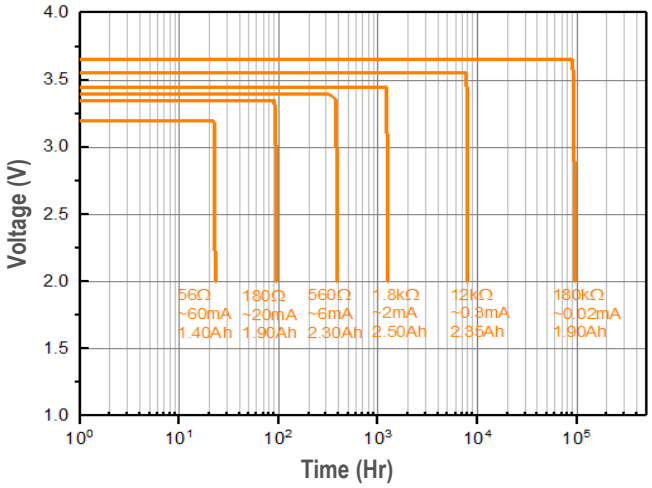
Available Terminals & Connectors

T1, T2, T3, T3R, T3EU, T3EUR, AX,
Wire, C&W (custom type)

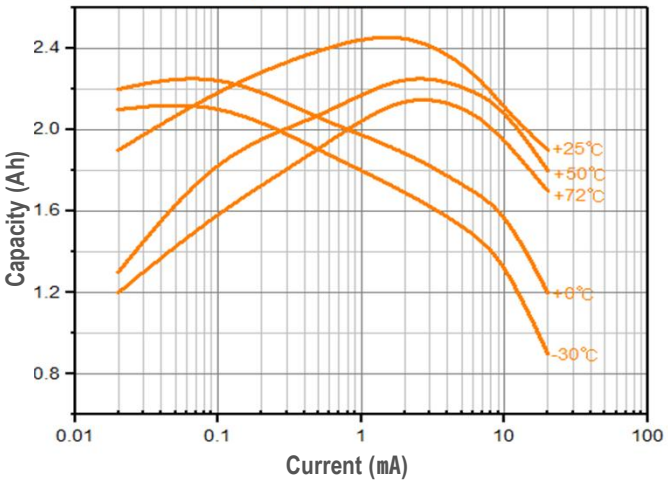
WARNING

Fire, explosion, and severe burn hazards.
Do not disassemble
Do not heat above 100°C
Do not recharge, short circuit, crush, incinerate, or expose contents to water

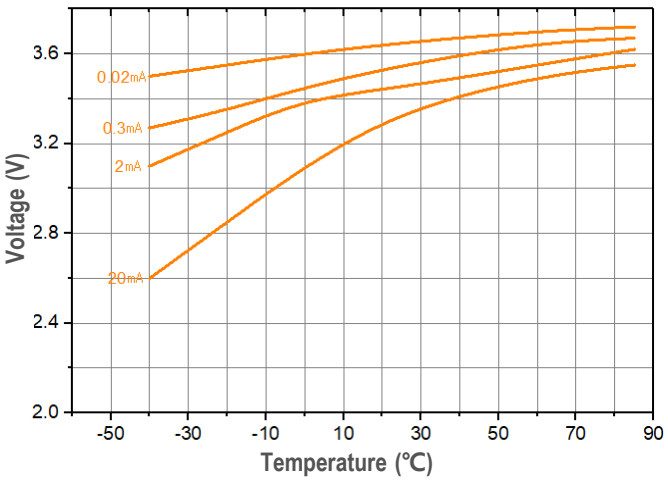
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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V-23A

Lithium Primary Battery (Li-$SOCl_2$)

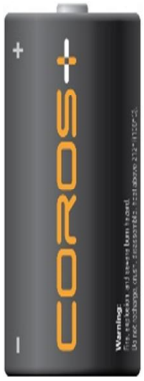
CLE-10

3.6V, A Bobbin

Specifications

Standard	ER17505
Nominal Voltage	3.6V
Nominal Capacity (@~3mA,to 2.0V)	3.6Ah
Max. Cont. Current	100mA
Max. Pulse Current	200mA
Operating Temp. range	-55~+85°C
Lithium Contents	~0.9g
Weight	24g
UL Filing No.	MH66316

Dimension



(Unit: mm)

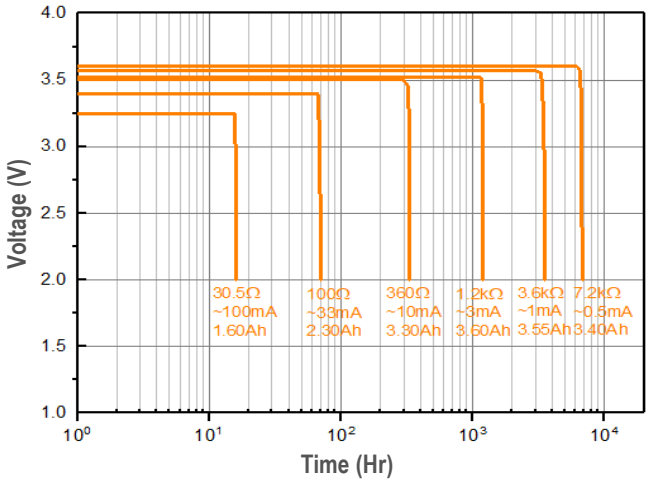
Available Terminals & Connectors

T1, T2, T3, T3R, T3EU, T3EUR, AX,
Wire, C&W (custom type)

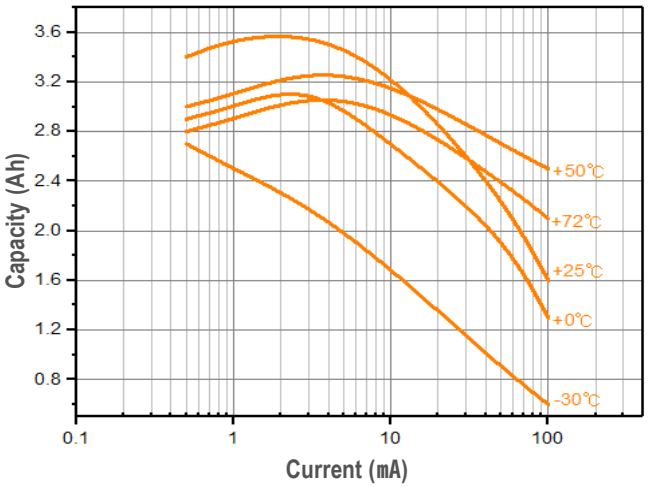
WARNING

Fire, explosion, and severe burn hazards.
Do not disassemble
Do not heat above 100°C
Do not recharge, short circuit, crush, incinerate, or expose contents to water

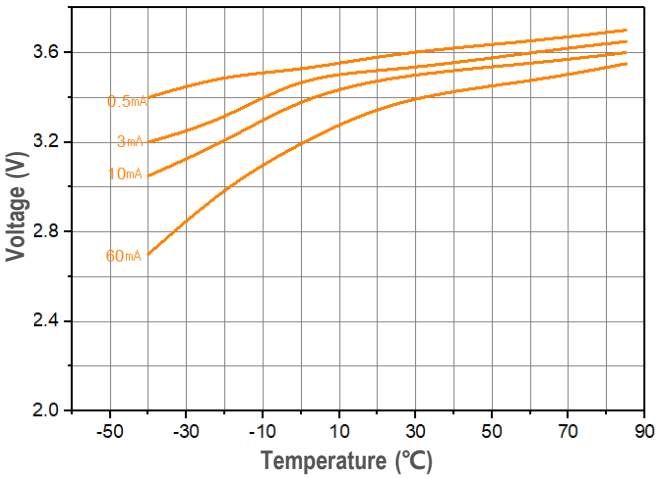
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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V-23A

Lithium Primary Battery (Li-$SOCl_2$)

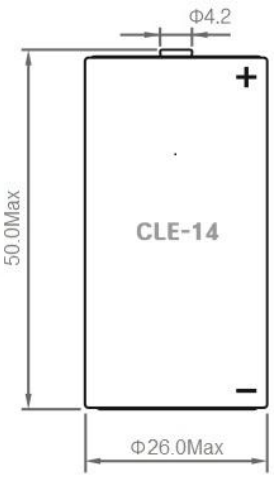
CLE-14

3.6V, C Bobbin

Specifications

Standard	ER26500
Nominal Voltage	3.6V
Nominal Capacity (@~3mA,to 2.0V)	8.5Ah
Max. Cont. Current	150mA
Max. Pulse Current	300mA
Operating Temp. range	-55~+85°C
Lithium Contents	~2.4g
Weight	51g
UL Filing No.	MH66316

Dimension



(Unit: mm)

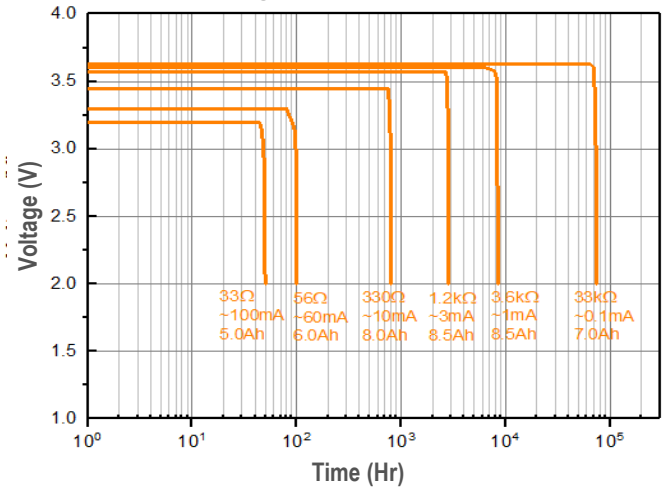
Available Terminals & Connectors

T1, AX, Wire, C&W (custom type)

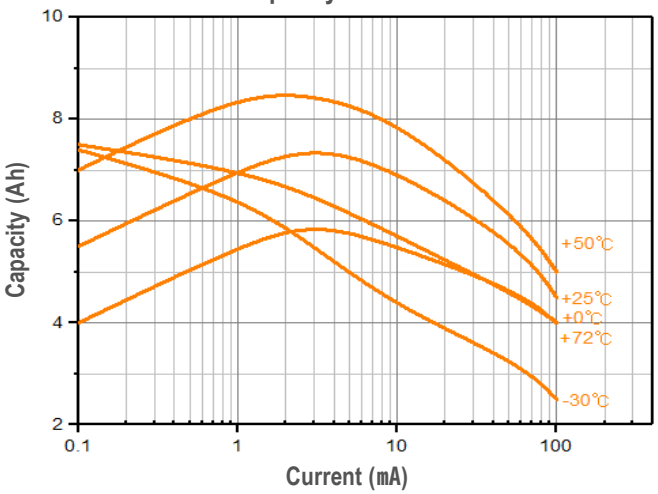
WARNING

Fire, explosion, and severe burn hazards.
Do not disassemble
Do not heat above 100°C
Do not recharge, short circuit, crush, incinerate, or expose contents to water

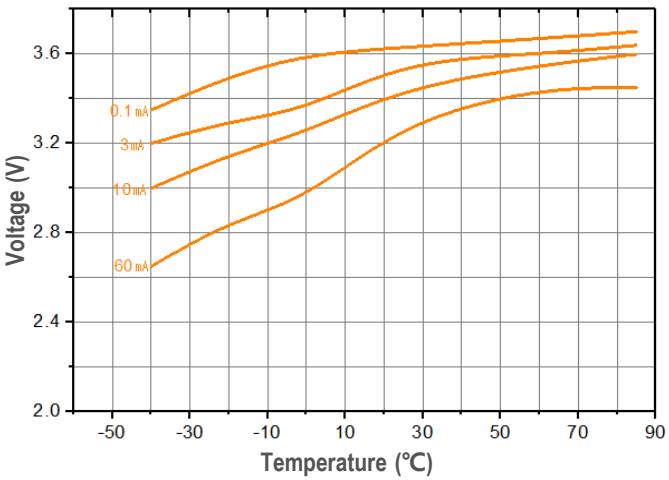
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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Lithium Primary Battery (Li-$SOCl_2$)

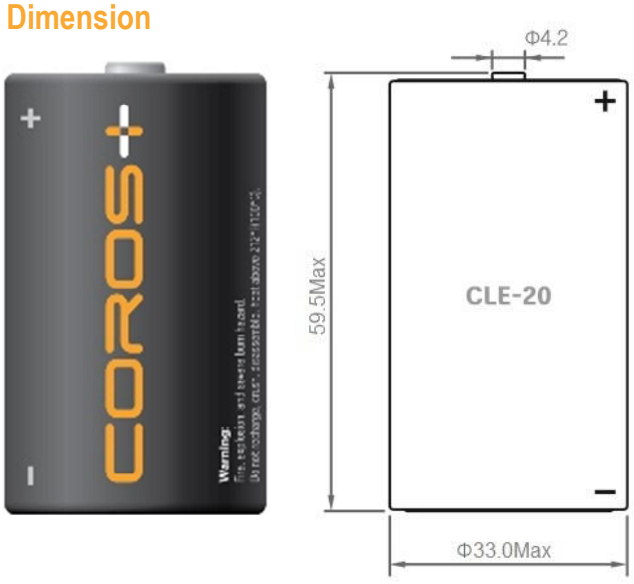
CLE-20

3.6V, D Bobbin

Specifications

Standard	ER33600
Nominal Voltage	3.6V
Nominal Capacity (@~5mA,to 2.0V)	19.0Ah
Max. Cont. Current	300mA
Max. Pulse Current	400mA
Operating Temp. range	-55~+85°C
Lithium Contents	~4.8g
Weight	98g
UL Filing No.	MH66316

Dimension



(Unit: mm)

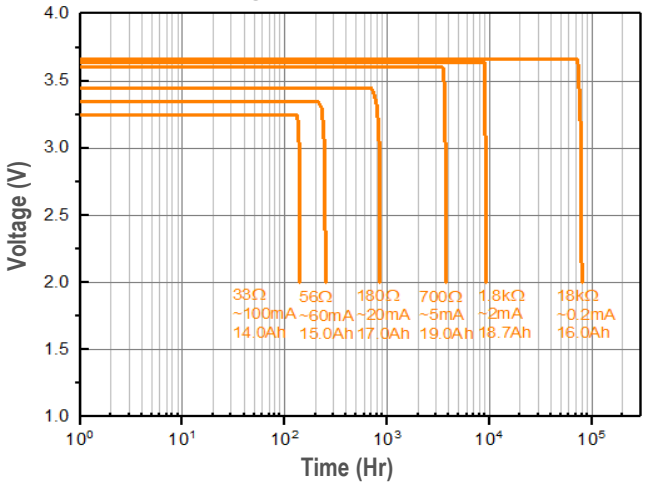
Available Terminals & Connectors

T1, AX, Wire, C&W (custom type)

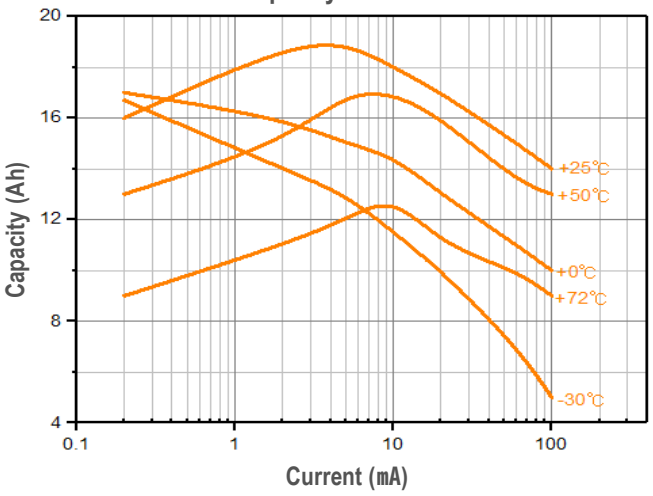
WARNING

Fire, explosion, and severe burn hazards.
Do not disassemble
Do not heat above 100°C
Do not recharge, short circuit, crush, incinerate, or expose contents to water

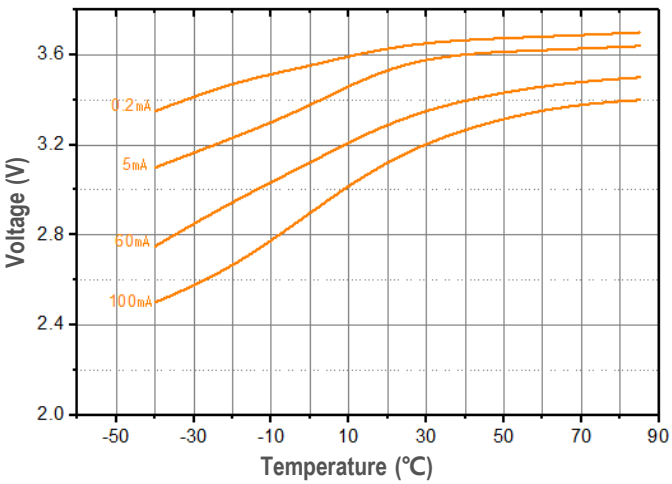
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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Lithium Primary Battery (Li-SO_2Cl_2)

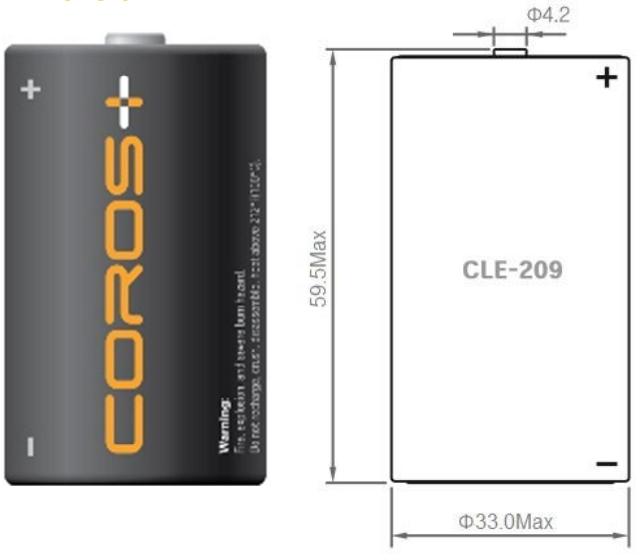
CLE-209

3.9V, D Bobbin

Specifications

Standard	ER33600
Nominal Voltage	3.9V
Nominal Capacity (@~5mA,to 2.0V)	16.0Ah
Max. Cont. Current	300mA
Max. Pulse Current	400mA
Operating Temp. range	-40~+85°C
Lithium Contents	~4.8g
Weight	98g
UL Filing No.	MH66316

Dimension



(Unit: mm)

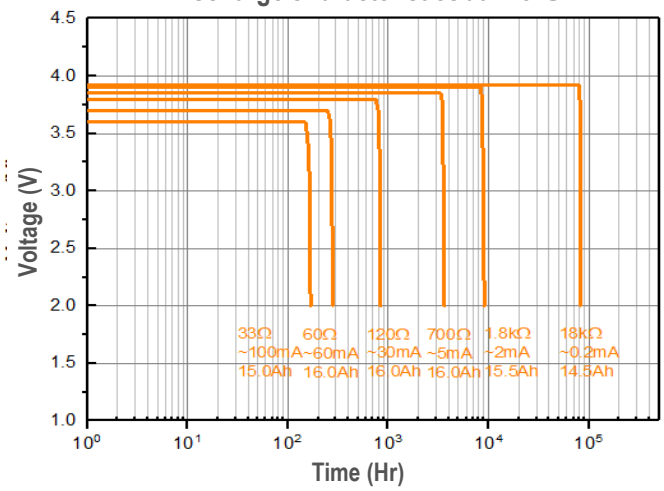
Available Terminals & Connectors

T1, AX, Wire, C&W (custom type)

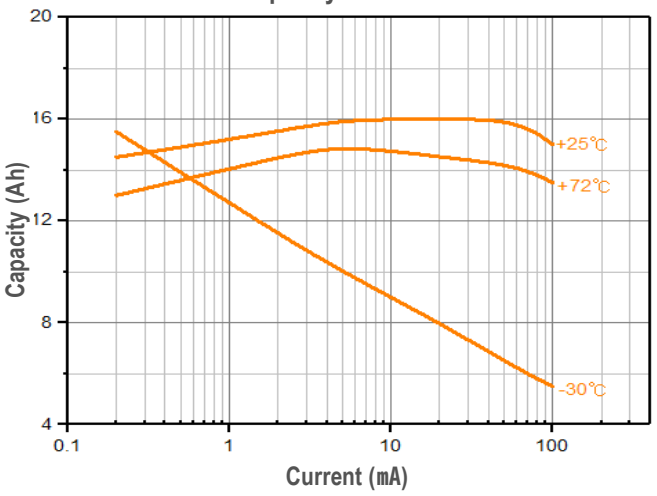
WARNING

Fire, explosion, and severe burn hazards.
Do not disassemble
Do not heat above 100°C
Do not recharge, short circuit, crush, incinerate, or expose contents to water

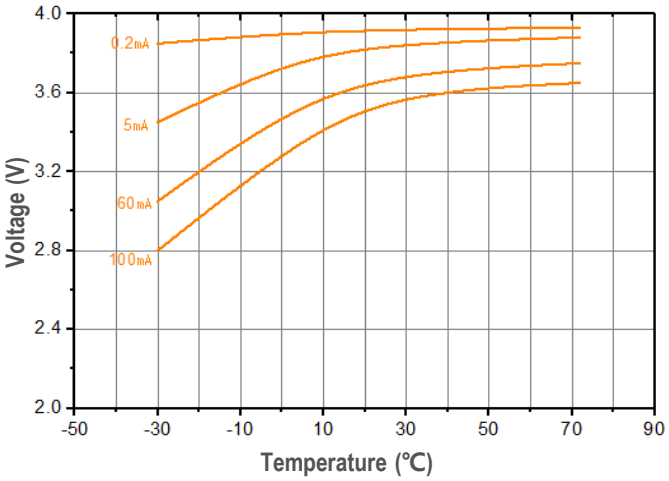
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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3-2.Product lines

Li-$SOCl_2$
Wound type

Product	Size	Standard	Nominal Voltage	Nominal Capacity	Max. Cont. Dis. Current	Max. Pulse Dis. Current	Temperature Range
CLH-14	C	ER26500	3.6V	6.0Ah	1000mA	2000mA	-55~+85°C
CLH-20	D	ER33600	3.6V	14.0Ah	1800mA	3000mA	-55~+85°C

- Applications : High discharge current for Military and Communication

Lithium Primary Battery (Li-$SOCl_2$)

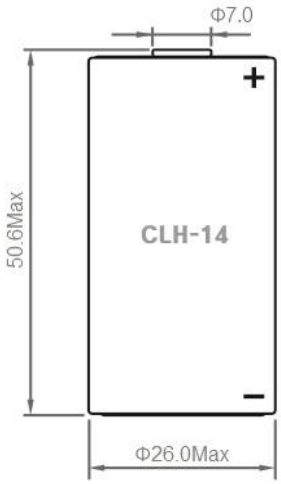
CLH-14

3.6V, C Spiral

Specifications

Standard	ER26500
Nominal Voltage	3.6V
Nominal Capacity (@~15mA,to 2.0V)	6.0Ah
Max. Cont. Current	1000mA
Max. Pulse Current	2000mA
Operating Temp. range	-55~+85°C
Lithium Contents	~2.0g
Weight	52g
UL Filing No.	MH66316

Dimension



(Unit: mm)

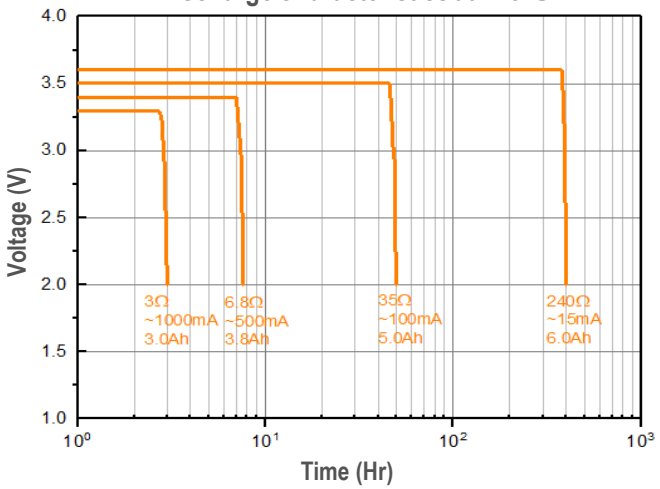
Available Terminals & Connectors

T1, AX, Wire, C&W (custom type)

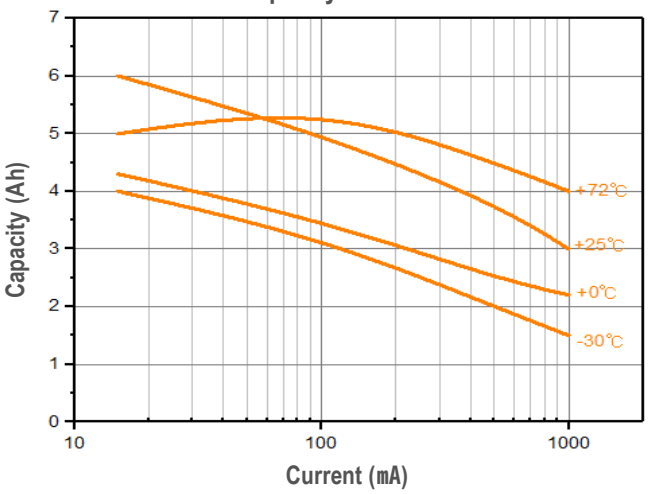
WARNING

Fire, explosion, and severe burn hazards.
Do not disassemble
Do not heat above 100°C
Do not recharge, short circuit, crush, incinerate, or expose contents to water

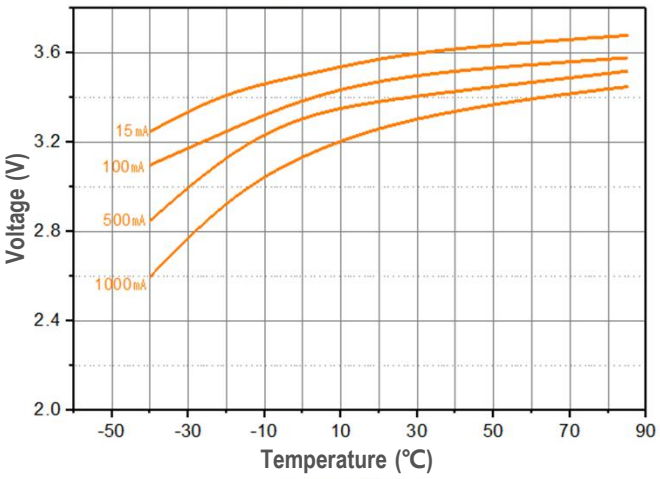
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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Lithium Primary Battery (Li-$SOCl_2$)

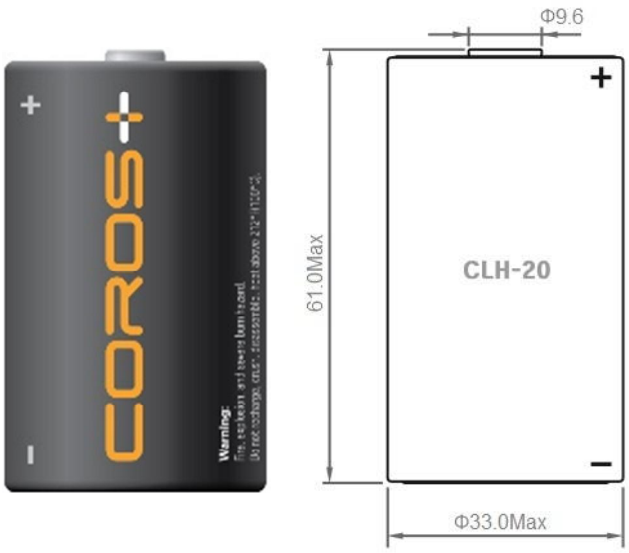
CLH-20

3.6V, D Spiral

Specifications

Standard	ER34615
Nominal Voltage	3.6V
Nominal Capacity (@~20mA,to 2.0V)	14.5Ah
Max. Cont. Current	2000mA
Max. Pulse Current	3000mA
Operating Temp. range	-55~+85°C
Lithium Contents	~4.5g
Weight	102g
UL Filing No.	MH66316

Dimension



(Unit: mm)

Available Terminals & Connectors

T1, AX, Wire, C&W (custom type)

WARNING

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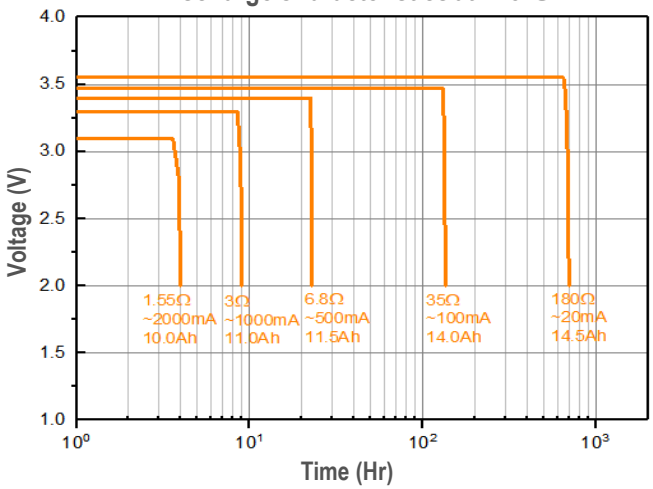
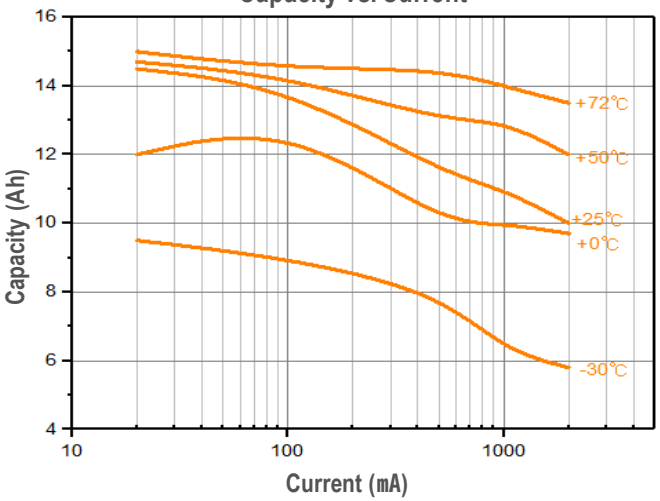
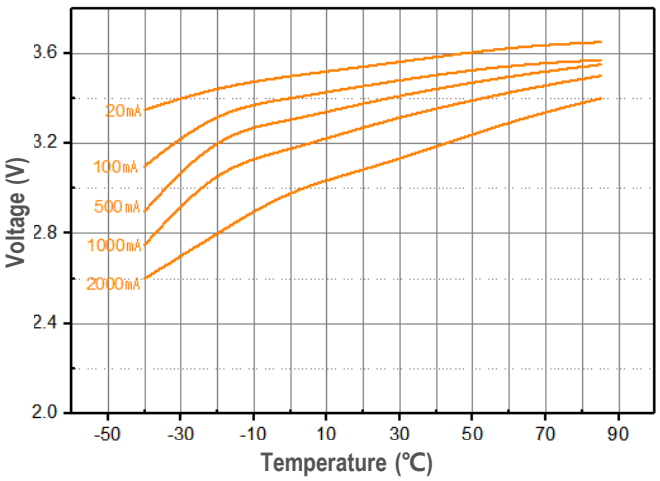
Discharge Characteristics at +25℃



Capacity vs. Current



Voltage vs. Temperature



(Typical values stored at 25℃ for one year)

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3-3.Product lines

HPC
(Hybrid Capacitor)

Product	Dimension	Nominal Voltage	Nominal Capacity	Max. Cont. Dis. Current	Max. Pulse Dis. Current	Max.Charging Current	Temperature Range
HPC-1520	15.1 x 20.0	3.6V / 3.9V	140As (@3.6V) 260As (@3.9V)	500mA	2000mA	20mA	-40~+85°C
HPC-1530	15.1 x 30.0	3.6V / 3.9V	300As (@3.6V) 510As (@3.9V)	750mA	3000mA	50mA	-40~+85°C
HPC-1550	15.1. x 50.3	3.6V / 3.9V	840As (@3.6V) 1290As (@3.9V)	2000mA	5000mA	100mA	-40~+85°C

- **Applications: IOT, GPS, GSM Communication**
  (Parallel configuration with 3.6V or 3.9V Li-$SOCl_2$)

Hybrid Pulse Capacitor

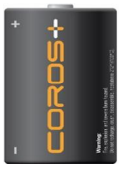
HPC1520

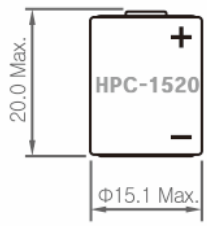
3.6V or 3.9V, Capacitor

Specifications

Standard	HPC-1520
Nominal Voltage	3.6V or 3.9V
Nominal Discharge Capacity	
- Charged to 3.67V	140As (39mAh,140mWh)
- Charged to 3.90V	260As (72mAh,282mWh)
- Charged to 4.10V	325As (90mAh,370mWh)
Discharge End Voltage	2.5V
Nominal Discharge Current	50mA
Max. Cont. Dis. Current	500mA
Max. Pulse Current	2000mA
Charge (constant current)	
Maximum Charge Current	20mA
Maximum Charge Voltage	4.10V
Operating Temp. Range	-40~+85°C
Cell Impedance (at RT,1kH)	Max. 250Ω
Weight	9.0g
UL Filing No.	Yes

Dimension





(Unit: mm)

General Behavior

1. Shelf life at different storage temperatures to 80% initial capacity

Temperature	HPC Alone	HPC in Hybrid Battery
RT	3 years	10 years
+60℃	4 weeks	7 years
+80℃	1 week	At least 1 year

2. No. of charge and discharge cycles to 80% of initial capacity

	100% DOD	10% DOD	1% DOD
Charge to 3.67V	4,000	40,000	400,000
Charge to 3.90V	1,000	10,000	100,000

3. Temperature Range

	HPC Alone	HPC in Hybrid Battery
Operating Temperature	-30~+60°C	-40~+85°C
Storage Temperature	-30~+60°C	-30~+60°C

4. Safety

Short Circuit @RT, +55°C, +85°C	Pass
High Temperature exposure	Pass
Overcharge	Pass
Compression	Pass
Shock and Vibration	Pass
Impact	Pass
Forced discharge	Pass

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V-23A

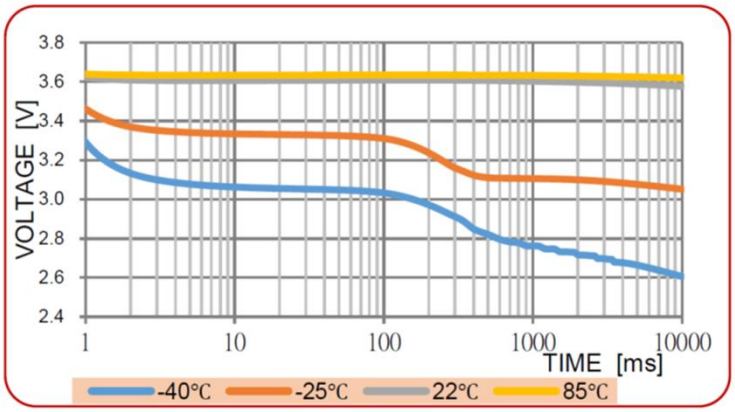
Hybrid Pulse Capacitor

HPC1520

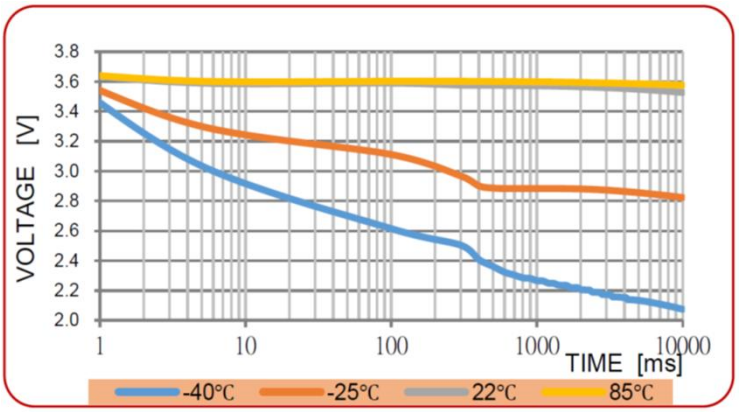
3.6V or 3.9V, Capacitor

Performance Data

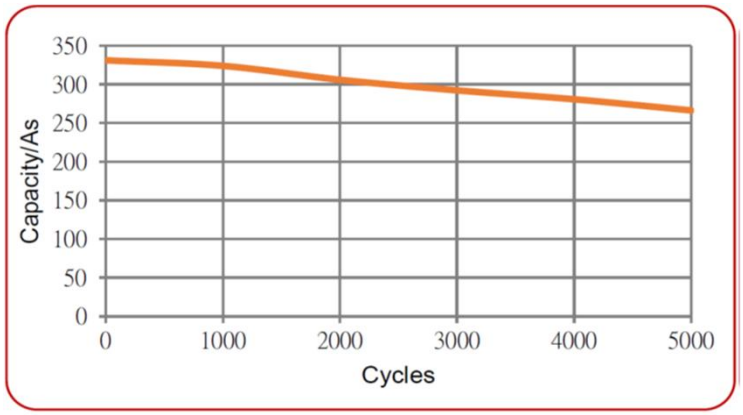
Voltage & Time curves for HPC-1520 at Li/SOCl2 potential 3.67V, 200mA



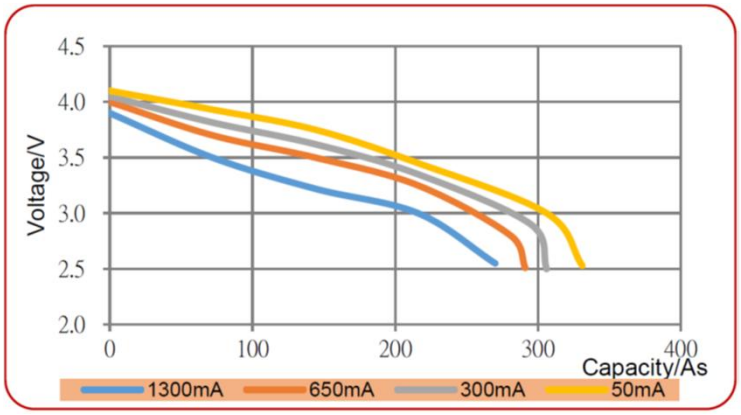
Voltage & Time curves for HPC-1520 at Li/SOCl2 potential 3.67V, 350mA



Cycle Life for HPC-1520 @100% DoD (charge @20mA, discharge @50mA)



Voltage curves for HPC-1520 at various discharge rates at +22°C @4.1V



WARNING

- Fire, explosion and severe burn hazard.
- Do not disassemble
- Do not heat above 100°C
- Do not short circuit
- Do not incinerate
- Do not expose contents to water
- Do not charge above 4.1V

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V-23A

Hybrid Pulse Capacitor

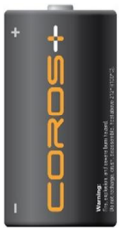
HPC1530

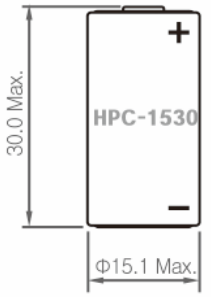
3.6V or 3.9V, Capacitor

Specifications

Standard	HPC-1530
Nominal Voltage	3.6V or 3.9V
Nominal Discharge Capacity	
- Charged to 3.67V	300As (83mAh,300mWh)
- Charged to 3.90V	510As (142mAh,553mWh)
- Charged to 4.10V	640As (178mAh,729mWh)
Discharge End Voltage	2.5V
Nominal Discharge Current	125mA
Max. Cont. Dis. Current	750mA
Max. Pulse Current	3000mA
Charge (constant current)	
Maximum Charge Current	50mA
Maximum Charge Voltage	4.10V
Operating Temp. Range	-40~+85°C
Cell Impedance (at RT,1kH)	Max. 120Ω
Weight	10.0g
UL Filing No.	Yes

Dimension





(Unit: mm)

General Behavior

1. Shelf life at different storage temperatures to 80% initial capacity

Temperature	HPC Alone	HPC in Hybrid Battery
RT	3 years	10 years
+60℃	4 weeks	7 years
+80℃	1 week	At least 1 year

2. No. of charge and discharge cycles to 80% of initial capacity

	100% DOD	10% DOD	1% DOD
Charge to 3.67V	4,000	40,000	400,000
Charge to 3.90V	1,000	10,000	100,000

3. Temperature Range

	HPC Alone	HPC in Hybrid Battery
Operating Temperature	-30~+60°C	-40~+85°C
Storage Temperature	-30~+60°C	-30~+60°C

4. Safety

Short Circuit @RT, +55℃, +85℃	Pass
High Temperature exposure	Pass
Overcharge	Pass
Compression	Pass
Shock and Vibration	Pass
Impact	Pass
Forced discharge	Pass

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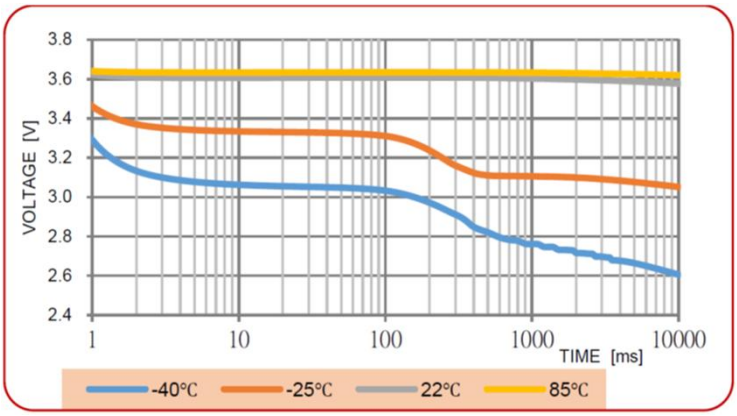
Hybrid Pulse Capacitor

HPC1530

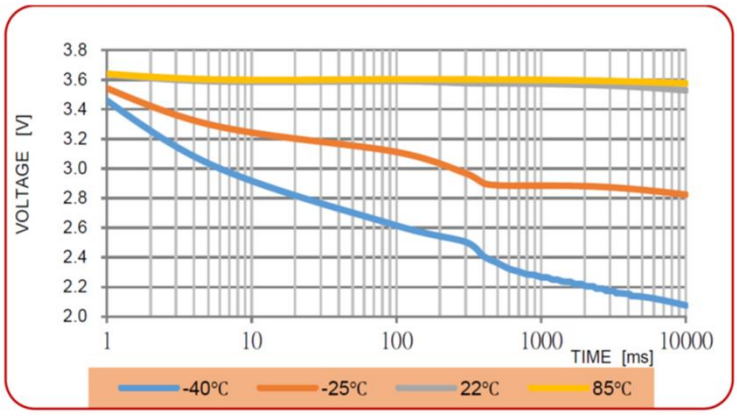
3.6V or 3.9V, Capacitor

Performance Data

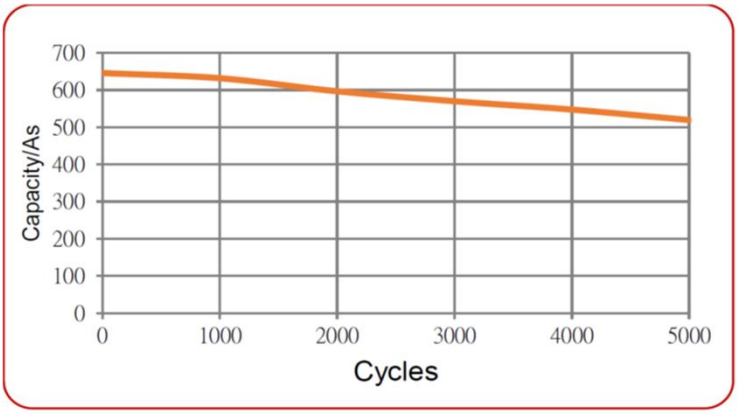
Voltage & Time curves for HPC-1530
at Li/SOCl2 potential 3.67V, 350mA



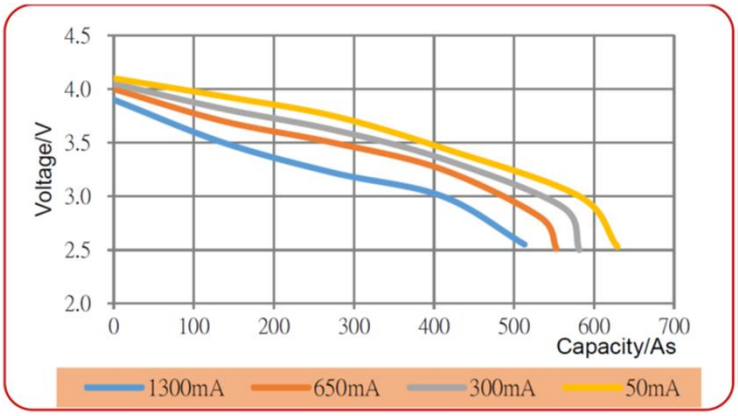
Voltage & Time curves for HPC-1530
at Li/SOCl2 potential 3.67V, 600mA



Cycle Life for HPC-1530 @100% DoD
(charge @50mA, discharge @125mA)



Voltage curves for HPC-1530 at various
discharge rates at +22°C @4.1V



WARNING

- Fire, explosion and severe burn hazard.
- Do not disassemble
- Do not heat above 100°C
- Do not short circuit
- Do not incinerate
- Do not expose contents to water
- Do not charge above 4.1V

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V-23A

Hybrid Pulse Capacitor

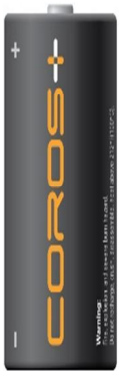
HPC1550

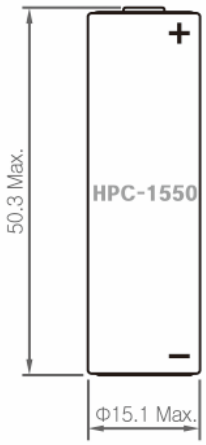
3.6V or 3.9V, Capacitor

Specifications

Standard	HPC-1550
Nominal Voltage	3.6V or 3.9V
Nominal Discharge Capacity	
- Charged to 3.67V	840As (233mAh,840mWh)
- Charged to 3.90V	1290As (358mAh,1.4Wh)
- Charged to 4.10V	1500As (417mAh,1.7Wh)
Discharge End Voltage	2.5V
Nominal Discharge Current	250mA
Max. Cont. Dis. Current	2000mA
Max. Pulse Current	5000mA
Charge (constant current)	
Maximum Charge Current	100mA
Maximum Charge Voltage	4.10V
Operating Temp. Range	-40~+85°C
Cell Impedance (at RT,1kH)	Max. 250Ω
Weight	20.0g
UL Filing No.	Yes

Dimension





(Unit: mm)

General Behavior

1. Shelf life at different storage temperatures to 80% initial capacity

Temperature	HPC Alone	HPC in Hybrid Battery
RT	3 years	10 years
+60℃	4 weeks	7 years
+80℃	1 week	At least 1 year

2. No. of charge and discharge cycles to 80% of initial capacity

	100% DOD	10% DOD	1% DOD
Charge to 3.67V	4,000	40,000	400,000
Charge to 3.90V	1,000	10,000	100,000

3. Temperature Range

	HPC Alone	HPC in Hybrid Battery
Operating Temperature	-30~+60°C	-40~+85°C
Storage Temperature	-30~+60°C	-30~+60°C

4. Safety

Short Circuit @RT, +55℃, +85℃	Pass
High Temperature exposure	Pass
Overcharge	Pass
Compression	Pass
Shock and Vibration	Pass
Impact	Pass
Forced discharge	Pass

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V-23A

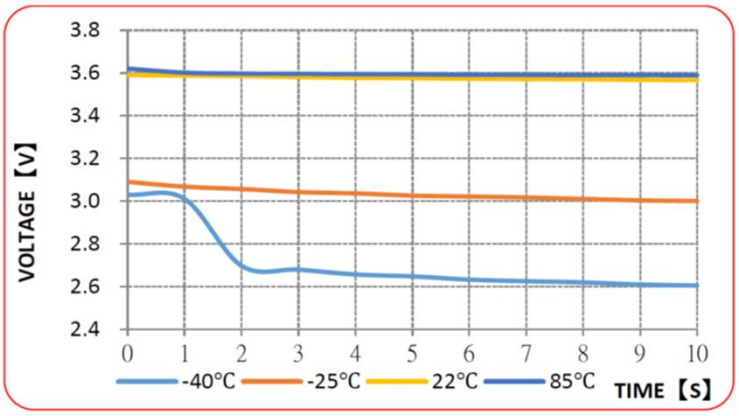
Hybrid Pulse Capacitor

HPC1550

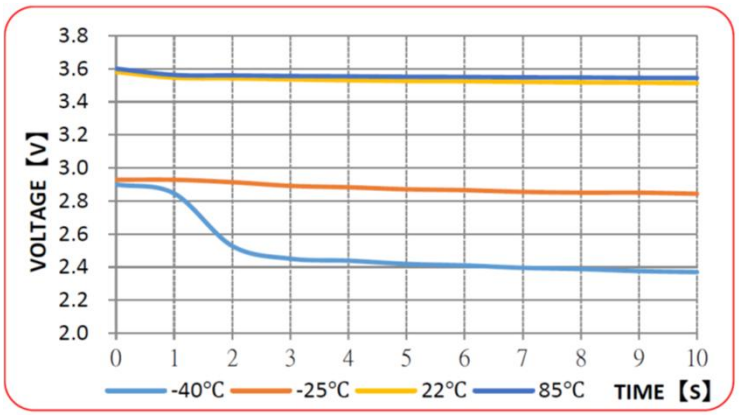
3.6V or 3.9V, Capacitor

Performance Data

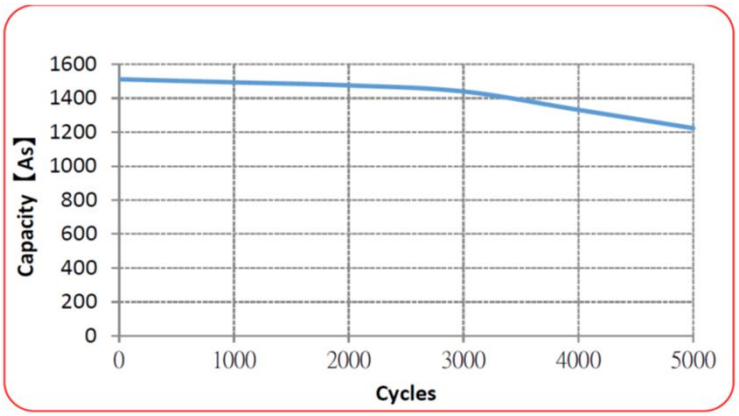
Voltage & Time curves for HPC-1550
at Li/SOCl2 potential 3.67V, 750mA



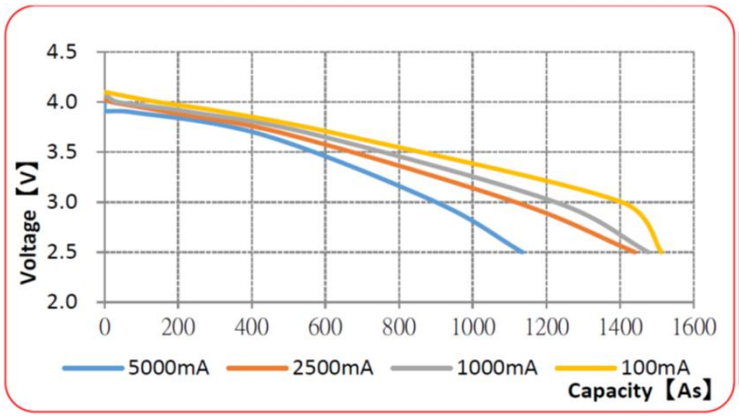
Voltage & Time curves for HPC-1550
at Li/SOCl2 potential 3.67V, 1200mA



Cycle Life for HPC-1550 @100% DoD
(charge @100mA, discharge @250mA)



Voltage curves for HPC-1550 at various
discharge rates at +22°C @4.1V



WARNING

- Fire, explosion and severe burn hazard.
- Do not disassemble
- Do not heat above 100°C
- Do not short circuit
- Do not incinerate
- Do not expose contents to water
- Do not charge above 4.1V

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V-23A

3-4.Product lines

Li-MnO_2

Product	Size	Standard	Nominal Voltage	Nominal Capacity	Max. Cont. Dis. Current	Max. Pulse Dis. Current	Temperature Range
CR123A	2/3A	CR17345	3.0V	1600mAh	1500mA	3000mA	-40~+70°C
CR2		CR15H170	3.0V	900mAh	1000mA	2500mA	-40~+70°C
CR17450	4/5A	CR17450	3.0V	2400mAh	1500mA	3000mA	-40~+70°C
CR17505	A	CR17505	3.0V	2800mAh	1000mA	3000mA	-40~+70°C

- Applications : Night Vison, Distance Measuring Devices(DMD), Security, Defibrillator etc.

Lithium Primary Battery (Li-MnO_2)

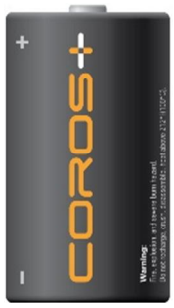
CR123A

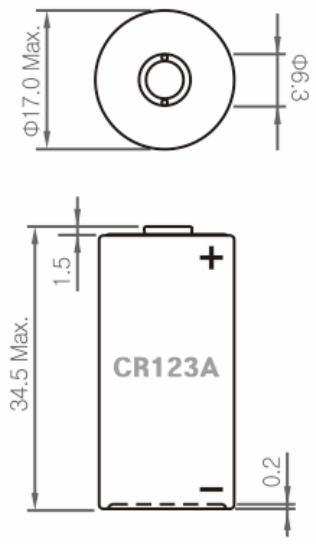
3.0V, 2/3A Spiral

Specifications

Standard	CR17345
Nominal Voltage	3.0V
Nominal Capacity (@~1mA,to 2.0V)	1600mAh
Max. Cont. Current	1500mA
Max. Pulse Current	3500mA
Operating Temp. range	-40~+70°C
Lithium Contents	~0.56g
Weight	16.5g
UL Filing No.	MH66316

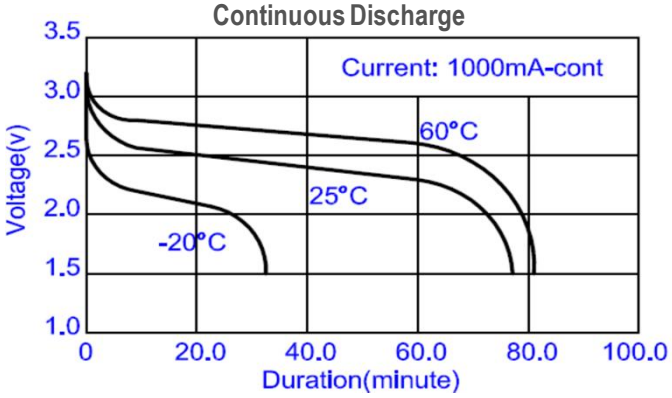
Dimension



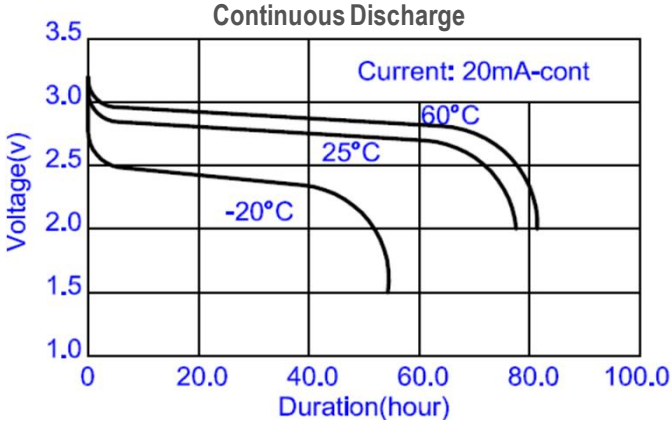


(Unit: mm)

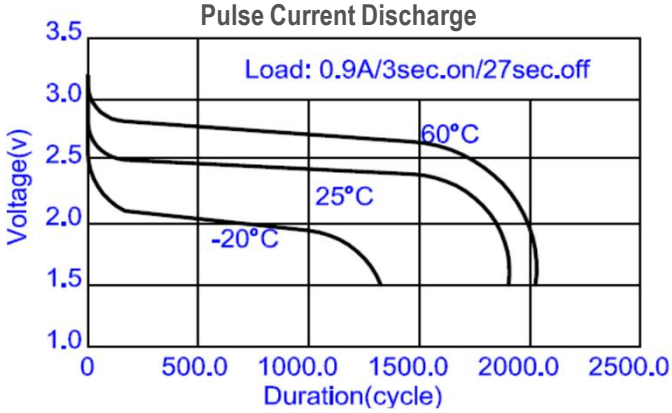
Continuous Discharge



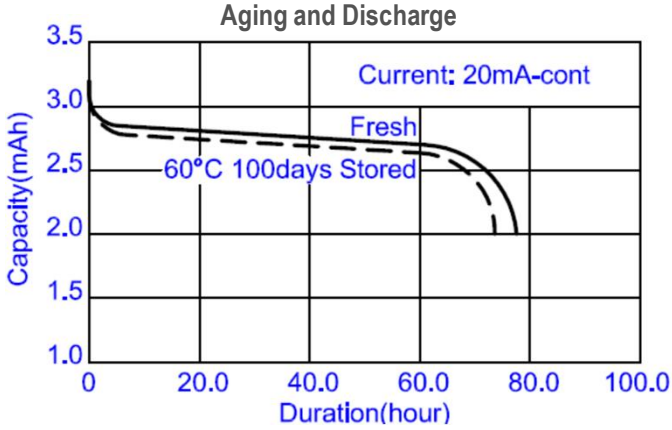
Continuous Discharge



Pulse Current Discharge



Aging and Discharge



WARNING

Fire and burn hazard. Do not recharge, short circuit, over discharge, crush, disassemble, 100°C or incinerate.

Keep battery far away from children, put them in original package until ready to use. Dispose of used batteries promptly.

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Lithium Primary Battery (Li-MnO_2)

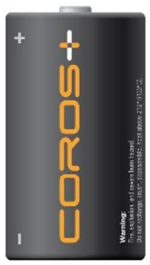
CR2

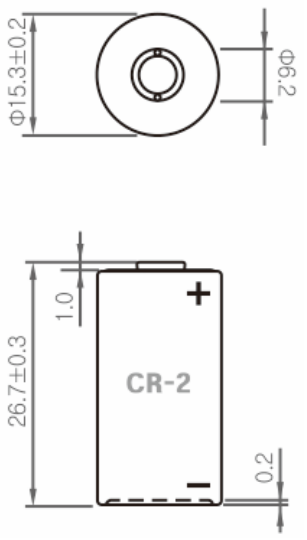
3.0V, Spiral

Specifications

Standard	CR15H170
Nominal Voltage	3.0V
Nominal Capacity (@~10mA,to 2.0V)	900mAh
Max. Cont. Current	800mA
Max. Pulse Current	1500mA
Operating Temp. range	-40~+70°C
Lithium Contents	~0.3g
Weight	11g
UL Filing No.	MH66316

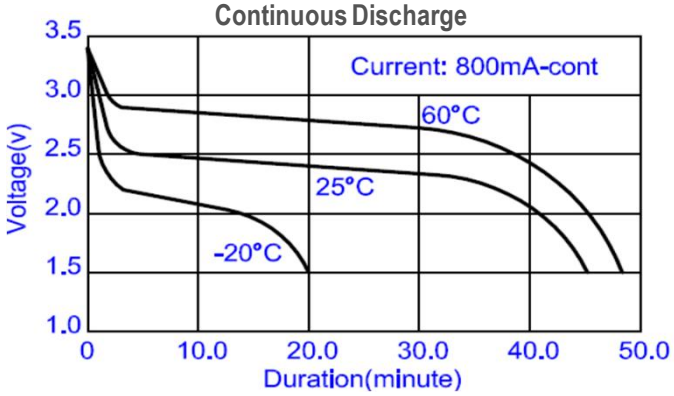
Dimension



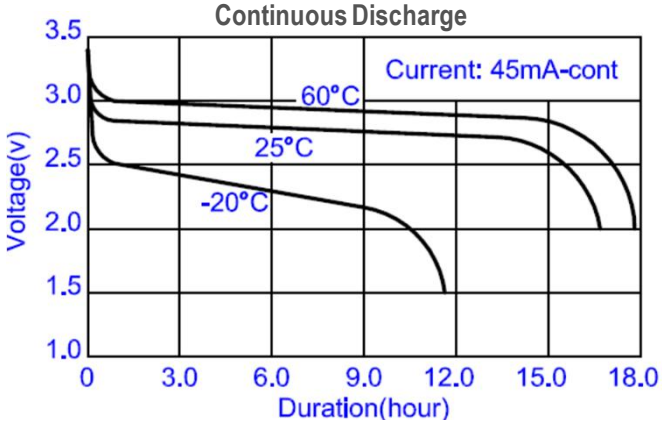


(Unit: mm)

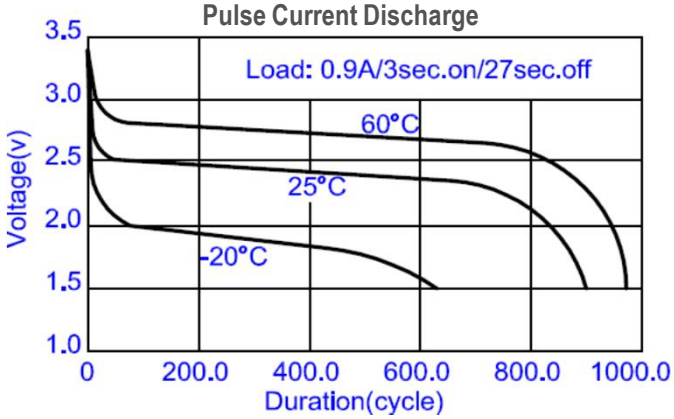
Continuous Discharge



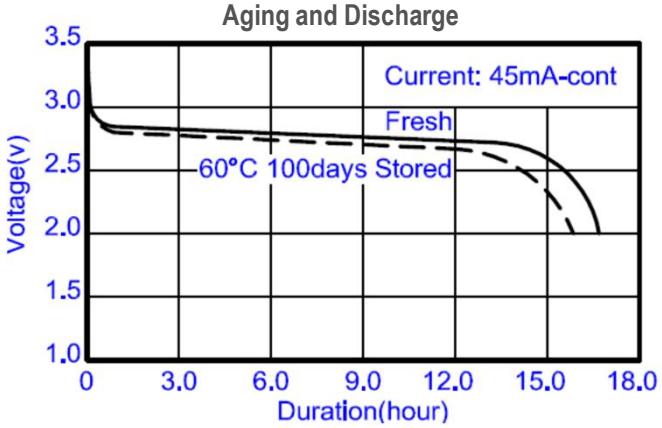
Continuous Discharge



Pulse Current Discharge



Aging and Discharge



WARNING

Fire and burn hazard. Do not recharge, short circuit, over discharge, crush, disassemble, 100°C or incinerate.

Keep battery far away from children, put them in original package until ready to use. Dispose of used batteries promptly.

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V-23A

Lithium Primary Battery (Li-MnO_2)

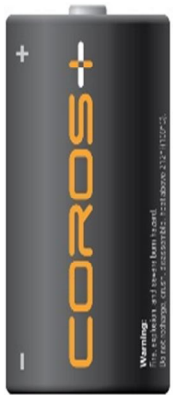
CR17450

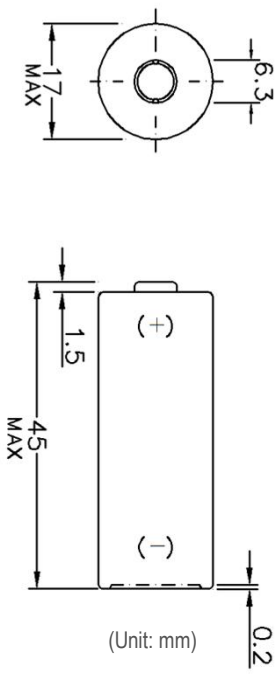
3.0V, 4/5A Spiral

Specifications

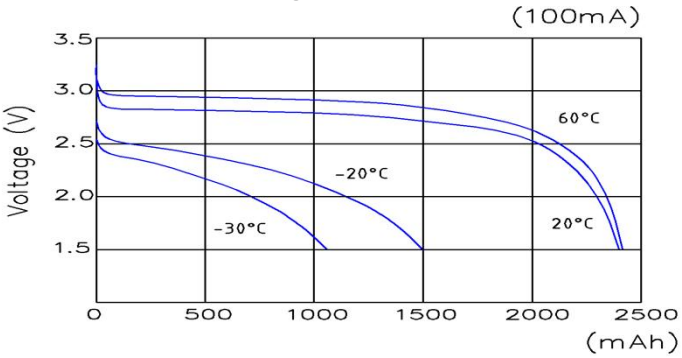
Standard	CR17450
Nominal Voltage	3.0V
Nominal Capacity (@~100mA,to 1.5V)	2400mAh
Max. Cont. Current	1500mA
Max. Pulse Current	3000mA
Operating Temp. range	-40~+70°C
Lithium Contents	~0.9g
Weight	22g
UL Filing No.	MH66316

Dimension

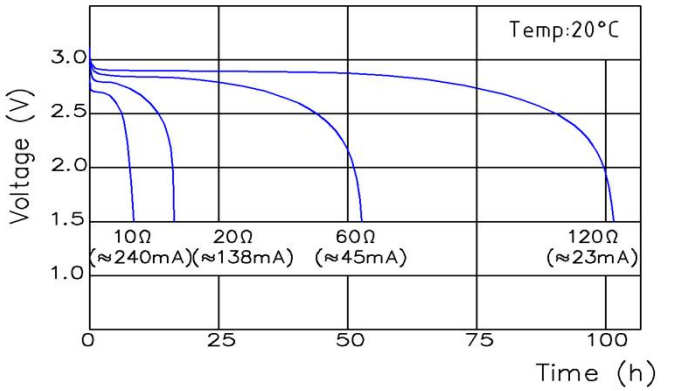




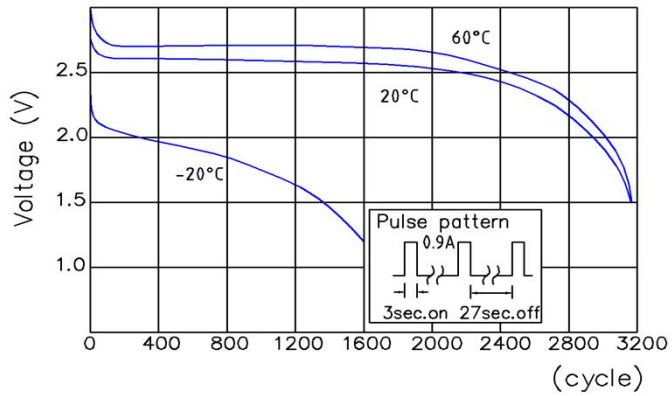
Discharge Characteristics



Continuous Current Discharge



Pulse Current Discharge



WARNING

Fire and burn hazard. Do not recharge, short circuit, over discharge, crush, disassemble, 100°C or incinerate.

Keep battery far away from children, put them in original package until ready to use. Dispose of used batteries promptly.

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V-23A

Lithium Primary Battery (Li-MnO_2)

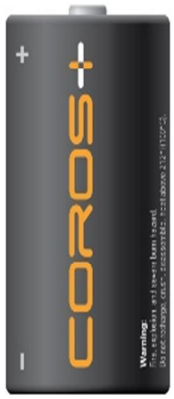
CR17505

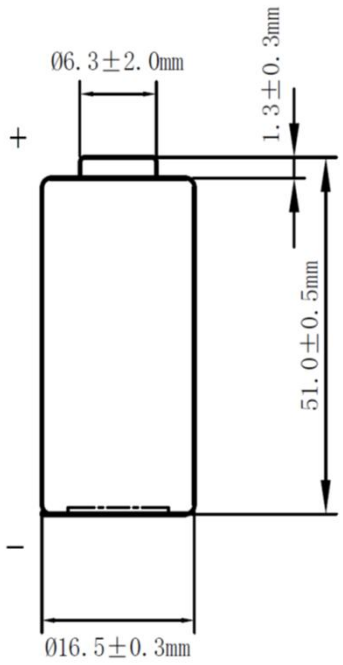
3.0V, A Spiral

Specifications

Standard	CR17505
Nominal Voltage	3.0V
Nominal Capacity (@~1mA,to 2.0V)	2800mAh
Max. Cont. Current	1000mA
Max. Pulse Current	3000mA
Operating Temp. range	-40~+70°C
Lithium Contents	~1g
Weight	25g
UL Filing No.	MH66316

Dimension





(Unit: mm)

WARNING

Fire and burn hazard. Do not recharge, short circuit, over discharge, crush, disassemble, 100°C or incinerate.

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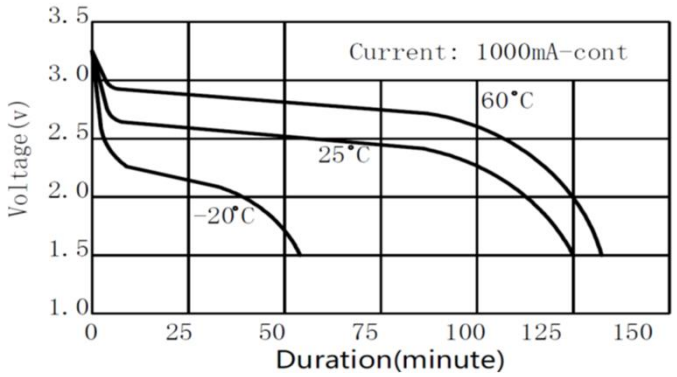
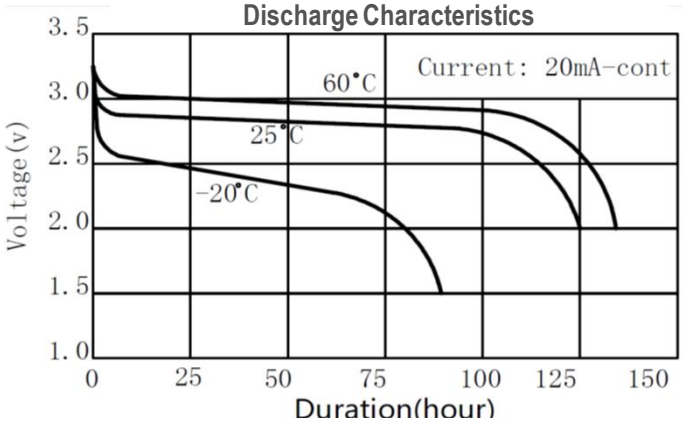
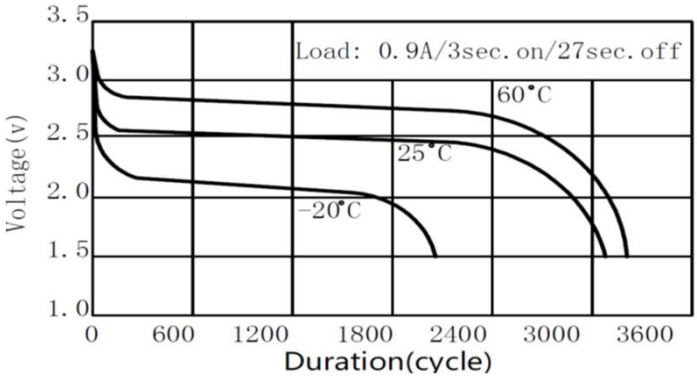
Discharge Characteristics



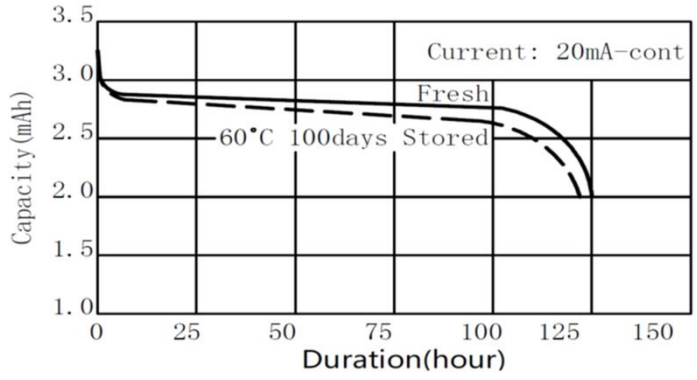
Discharge Characteristics



Discharge Load vs Capacity



Discharge Characteristics after Storage



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