

# BATTERY SAFETY INFORMATION

Read and abide by warning notice below for your safety.

قراءة وإبادة ملاحظة التحذير أدناه لسلامتك.  
 Прочитайте и соблюдайте приведенное ниже предупреждение для вашей безопасности.  
 Leggere e rispettare le avvertenze riportate di seguito per la vostra sicurezza.  
 安全のため、下記の警告事項をよく読み、それに□ってください。  
 Lea y respete el siguiente aviso de advertencia para su seguridad.  
 Lesen Sie sich zu Ihrer Sicherheit die unten stehenden Warnhinweise durch.



**WARNING: LI-ION CELLS HAVE INHERENT RISKS IF MISUSED or MISHANDLED. CELL CAN EXPLODE CAUSING SEVERE BURN INJURY, FATALITY, AND PROPERTY DAMAGE.**

READ BELOW THOROUGHLY.



CELL = BATTERY

- **KEEP OUT OF REACH** of anyone under 18 years of age, AND pets.
- **DO NOT PUT IN FIRE**, oven, microwave, or expose to anything over 100°C (212°F).
- **DO NOT CARRY or store OUTSIDE** of its protective packaging or a **PROTECTIVE CELL CASE**.
- **DO NOT PUT CELL IN POCKET**, bag, purse, or anywhere **WITH METAL OBJECTS** including **COINS and KEYS**. Otherwise, the cell could short-circuit and explode.
- **DO NOT PUT A DEVICE WITH CELL INSTALLED IN POCKET or ON YOUR BODY**. A device malfunction or conductive debris or objects in pocket can overload or short-circuit cell and explode. As a safety precaution, do not carry a device in pocket or on your body.
- **DO NOT USE IN A DEVICE THAT CAN EXCEED MAX CELL VOLTAGE (V) OR AMPERAGE (A)** (listed on each cell and packaging). Doing so can overload cell(s) causing it to explode.
- **DO NOT USE LOWER RESISTANCE (Ω) #** (listed on each cell and retail packaging).
- **DO NOT USE CELL WITH DAMAGE TO ITS STRUCTURE or OUTER PROTECTIVE LABEL** (also called "WRAP", "sleeve", "skin"). Damage may include: dent(s), tear(s), nick(s), puncture(s), corrosion, or any other abnormalities or undisclosed damage(s).
- **DO NOT LEAVE UNATTENDED WHILE CHARGING & REMOVE CELL(S) ONCE FULLY CHARGED** to ensure it is not exposed to any potential charger malfunction such as overcharging.
- **DO NOT CHARGE ABOVE MAX CHARGE VOLTAGE (V) (typically 4.2V) or DISCHARGE BELOW MAX VOLTAGE CUT-OFF (V) (typically 2.5V)**. Doing so can damage cell and explode.
- **DO NOT MIX WITH USED or DIFFERENT TYPE of CELL(S)**. Differences in capacity can lead to one or more cells to be overcharged / over-discharged and cause it to explode.
- **IF USING A MULTI-CELL DEVICE**, the device **MUST HAVE A NON-CONDUCTIVE BARRIER** (typically plastic) **OR FITMENT that PREVENTS CELL(S) FROM TOUCHING THE SIDE(S) OF ONE ANOTHER or ANY ADJACENT METAL** except for center of top & bottom of each cell. Otherwise, cell(s) can short-circuit and explode.
- **ALWAYS** use, connect, charge, and operate cells within their capabilities as listed on cell and packaging, while adhering to the device's user manual.
- **COMPLETELY READ** and follow the **WARNING (⚠)** listed on cell, packaging, and on the product detail pages of [www.hohmtech.com](http://www.hohmtech.com).
- **VISIT** [www.hohmtech.com](http://www.hohmtech.com) for greater detail on safety and technical information.
- **SEARCH** [www.youtube.com](http://www.youtube.com) for "18650 EXPLOSIONS" to understand the importance of consistently taking safety precautions and using Li-ion cells properly. Hohm Tech advocates recycling and replacing any damaged Li-ion cell.

CELL = BATTERY



## KEEP YOUR LABEL 100% INTACT

**BEFORE EACH USE,**  
**INSPECT FOR DAMAGE**  
 (nicks, tears, puncture, dents, etc.)



Just a tiny nick  
 damages cell,  
 making it possible  
 to short-circuit.  
**DO NOT USE**

and BY TOUCH  
 TO SEE/FEEL FOR  
 ANY DAMAGE



**GOOD CELL**  
 This cell's label ("wrap")  
 is fully intact with no  
 sign of nicks/tears or  
 punctures. If it is the  
 correct size & meets the  
 amp or watt rating of  
 device, it is ready to use.  
**READY TO USE**

**BAD CELL**  
 This cell's label  
 ("wrap") is  
 compromised and  
 considered a damaged  
 cell. This cell should  
 be recycled and  
 replaced immediately.  
**DO NOT USE**

@HOHMTech



# HOHM TECH HΩ

## WORLD'S FIRST & ONLY

Labeling that includes Ohm's Law  
 calculated with real-world device  
 efficiency factor for user clarity

## BRING ON THE COMPETITION



a **BIG** step for safety

HOHMTech.COM



TO ENSURE CONSUMER SAFETY AND AWARENESS,  
 EVERY LI-ION USER NEEDS TO READ BROCHURE'S  
 CELL WARNING NOTICE ON THE LEFT SIDE PANEL





THE ONLY LI-ION CYLINDER CELLS IN THE WORLD THAT HAS IMPLEMENTED OHM'S LAW CALCULATION WITH ELECTRONIC CHIPSET EFFICIENCY FACTOR

- CRITICALLY IMPORTANT TO ACHIEVE OUR HIGHEST STANDARDS -  
CONSISTENCY | SAFETY | PERFORMANCE | AMPERAGE | CAPACITY | RELIABILITY | SIMPLICITY



READ **WARNING** NOTICE ON OPPOSITE SIDE OF PAGE AND ON CELL (BATTERY) TO ENSURE YOUR SAFETY

Every Hohm Tech cell model has been tested and certified by UN38.3, EN62133, IEC62133 2nd Edition, PSE, and UL1642 accredited laboratories and testing facilities assigned by regulatory bodies to achieve industry critical certifications, while repeatedly earning and gaining the trust of consumers.

We do not cut corners. We deliver what we promise... chart topping performance, capacity, consistency, and safety.

Hohm Tech Int'l cells are built by Indonesia Chemistry and stress tested for measured:

- A: Density Loss Ratio
- B: Cycle Life Retention
- C: Thermal Image Distribution
- D: Pulse Voltage Drop Limitation
- E: Resistance Retentivity PrePost
- G: Chemistry Integrity @  $\pm 10^\circ\text{C}$  Range

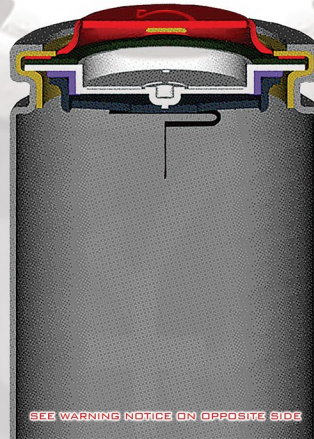
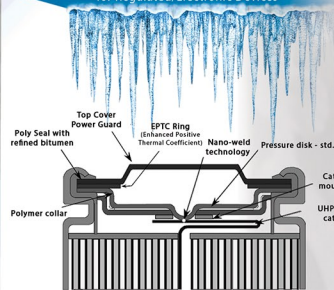
**OHM'S LAW CALCULATED**  
NEW & INEXPERIENCED USERS ARE INSTANTLY AS SMART AS THE KNOWLEDGABLE USERS

**WATTAGE OUTPUT CAPABILITIES**  
Ohm's Law calculated with 89.9-90.2% real-world device efficiency variable<sup>1</sup>

**KEEPIN' IT COOL**  
with accurate limitations of wattage

Wattage Output (CDR - BEST)<sup>2</sup>  
for Regulated/Electronic Devices

MAX Wattage Output<sup>6</sup>  
for Regulated/Electronic Devices



**AMPERAGE OUTPUT CAPABILITIES**

Continuous Discharge Rate<sup>2</sup>  
Non-stop power. Run til done!

MAX Discharge Rate<sup>3</sup>  
Cut-off limit @  $80^\circ\text{C}$  ( $176^\circ\text{F}$ ) or  $3.2\text{V}$

Bottom Value is Resistance (Q)<sup>4</sup>  
to achieve non-stop CDR power!



- > An emphasis on safety while achieving top performance <
- > Tired of rewiring? So are we! HT has proprietary markings <
- > World's first QSP<sup>1</sup> Li-NMC with >7k Hz NiMn bonding stage <
- > Raw materials sourced from multiple renowned providers <
- > ATD (applicable-to-device) capabilities directly on labeling <

cell = battery; amperage = discharge

<sup>1</sup> QSP: Quad Stripping Process of raw chemistry compounds. <sup>2</sup> CDR: Continuous Discharge Rate. This value is the highest amperage that runs non-stop and stays within cell/battery temperature tolerances without intervention. <sup>3</sup> MAX Discharge Rate REQUIRES to be CUT-OFF (disconnected from providing power) when cell reaches  $80^\circ\text{C}$  ( $176^\circ\text{F}$ ) or  $3.2\text{V}$  (whichever occurs first). This amperage (A) limit is the maximum value within cycle-life and degradation tolerances. <sup>4</sup> Resistance (Ohm - Q) that achieves CDR output per cell/battery when direct connection to resistance is established. In multi-cell/battery devices, if configured in series, multiply cell/battery ohm value listed on cell/battery, by # of cell/batteries used in device to obtain new resistance (ohm - Q) value limit. If configured in parallel, divide cell/battery ohm value listed on cell/battery, by # of cell/batteries used to obtain new resistance (ohm) value limit. <sup>5</sup> Recommended wattage output limit per individual cell/battery (determined by CDR value, Ohm's Law, and a median 89.9-90.2% Electronic Chipset Efficiency). <sup>6</sup> MAX safe wattage output per cell/battery that is calculated with  $80^\circ\text{C}$  ( $176^\circ\text{F}$ ) and/or  $3.2\text{V}$  cut-off factor. This MAX wattage output value requires to be disconnected and/or discontinued from power if it reaches either  $80^\circ\text{C}$  ( $176^\circ\text{F}$ ) or  $3.2\text{V}$  (whichever occurs first). <sup>7</sup> Real-World device efficiency is defined as the electrical components within a device that manage power output. Devices vary in their respective efficiency.

# value(s) after battery model name is part of product name, and not inclusive of this reference directory.

# value(s) before/inside/after chemistry property formula as found in academic chemistry resources (applicable to Li-CoO<sub>2</sub>/C).

SEE WARNING NOTICE ON OPPOSITE SIDE