

Common Abbreviations

I2C	Inter-Integrated Circuit (communication bus)
18650	Li-ion cylindrical cell format measuring 18mm times 65mm
A	Ampere (electrical)
Ah	Ampere-hour
BMS	Battery management system
C	Celsius, Centigrade (temperature)
CCV	Closed Circuit Voltage
CCCV	Constant current constant voltage (charge method)
CID	Circuit interrupt device
C of C	Certificate of Compliance
C-rate	Discharge rate of a battery
DoD	Depth of discharge
DOT	Department of Transportation (US)
dT/dt	Delta Temperature over delta time (charge method)
ELC	Equivalent lithium content
EOL	End of Life (capacity)
F	Fahrenheit (temperature)
h	Hour (time)
I	Current (electrical)
IATA	International Air Transport Association
IEC	International Electrochemical Commission
IS	Intrinsic safety (used on batteries)
LCD	Liquid crystal display
LCO	Lithium cobalt oxide
LED	Light emitting diode
LFP	Lithium-iron-phosphate
LiCoO2	Lithium-ion-cobalt-oxide
LiFePO4	Lithium-iron-phosphate-oxide
Li-ion	Lithium-ion battery (short form)
LiMn2O4	Lithium-ion-manganese-oxide
LiNiCoAlO2	Lithium-ion-nickel-cobalt-aluminum-oxide
LiNiMnCoO2	Lithium-ion-nickel-manganese-cobalt-oxide
Li5Ti5O13	Lithium-titanate-oxide
LMO	Lithium-manganese-oxide
LTO	Lithium-titanate
mAh	Milliampere-hours
NCA	Lithium-ion battery with nickel, cobalt, aluminum cathode
NiCd	Nickel-cadmium (battery)
NiFe	Nickel-iron (battery)
NiH	Nickel-hydrogen (battery)
NiMH	Nickel-metal-hydride (battery)

NiZn	Nickel-zinc (battery)
NMC	Lithium-ion with nickel, manganese, cobalt cathode
NTC	Negative temperature coefficient
OCP	Over-current Protection
OCV	Open Circuit Voltage
OEM	Original equipment manufacturer
OVP	Over-voltage Protection
PRBA	Portable Rechargeable Battery Association
PTC	Positive Temperature Coefficient (battery protection)
QA	Quality assurance
Qi	Standard on inductive charging by Wireless Power Consortium (WPC)
R	Resistor (electrical)
RF	Radio Frequency (communications)
SBS	Smart Battery System
SLA	Sealed lead acid (battery)
SMBus	System Management Bus (smart battery)
SoC	State-of-charge
SOH	State-of-health
UL	United Laboratories (product safety testing and certification)
UVP	Under-voltage Protection
V	Voltage (electrical)
VCO	Voltage Cutoff (safety)
VL	Voltage limiting (as in charging a battery)
VRLA	Valve regulated lead acid (battery)
W	Watt (electrical power; voltage times current = watts)
Wh	Watt-hour (electrical energy; watts times h = Wh)
Wh/kg	Watt-hour per kilogram (measurement of specific energy)
Wh/l	Watt-hour per liter (measured in energy density)
Wi-Fi	Wireless fidelity (network)
WPC	Wireless Power Consortium
Z	Impedance (frequency dependent resistance)
Zigbee	Wireless network targeting RF applications that require a secure low data rate and long battery life