

SPECTECH BATTERY SAFETY

SPECTOR & CO. power banks undergo a series of tests to ensure quality and safety. Please see below a list of product safety highlights:

 <p>UL Certified Products Products that are entirely UL certified (all electronic components, materials and supply chain are UL compliant and certified)</p> <p>UL Certified Batteries Products that have UL certified batteries</p> <p>UL Tested (UL/CSA 60950-1, UL 2054, UL 2056 and UL 2738 wireless) Products that have been tested by a third party laboratory according to UL standards</p>	 <p>Universal standard for wireless charging of battery-operated devices</p>	<p>UN38.3 (Transportation Safety)</p>	<p>IC Protection (Integrated Circuit Protection) Protects against short circuits, overcharging, over-discharging, overcurrent & overheating (for wireless & Qi products)</p> <p>NTC (Negative Temperature Coefficient) Built-in overheating protection: The integrated temperature sensor of this product automatically stops charging an electronic device when temperature reaches over 70°C/158°F in case of unexpected circuit shortage or malfunction.</p>
	 <p>Federal Communications Commission</p>	 <p>European Compliance</p>	
	Grade A Non-Recycled Lithium Batteries		
	 <p>RoHS Compliant Restriction of Hazardous Substances</p>		

	T1232 SOL NOMAD	T1233 SOL FABRIZIO	T1234 SOL DONALD	T1036 OPHELIA	T159 COOPER	T1034 PARDO-G2	T139 COMMANDER	T9939 NATHAN	T1021 OFF-ROAD	T112 FABRIZIO	T1026 MISSION	T1027 MOXIE	T1029 SUPER TITAN	T1037 SUPER OFF-ROAD	T127 FABRIZIO	T1039 TITAN
UL 2056	✓	✓	✓	✓	✓								✓			✓
UL 2054						✓	✓	✓	✓		✓	✓				
UL 2738													✓			✓
Qi CERTIFIED													✓			
UL BATTERY ONLY								✓	✓				✓	✓		
FCC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ROHS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



- 

CAPACITY – WHAT DOES IT MEAN?
The battery capacity of a power bank is measured in milliamperes (mAh) or watt per hour (Wh). The higher the battery capacity, the more storage a power bank contains and subsequently the more charges it can provide to your electronic devices.
- 

CHARGE TIME – ELECTRONIC DEVICES
The amount of time it takes to charge an electronic device using a power bank is mainly determined by the **output current** of the USB port on the power bank and the **battery capacity** of the device being charged.
- 

WIRELESS CHARGING – HOW DOES IT WORK?
Wireless charging also known as inductive charging works by transferring energy from the charger to an electronic device (such as a smartphone or smart watch) equipped with wireless charging capability via electromagnetic field. Wireless charging requires: 1) A wireless charging power bank or charging dock that is connected to a power source or a/c adapter, and 2) an electronic device that is compatible with wireless charging. All our wireless chargers have built-in NTC (Negative Temperature Coefficient) and/or IC (Integrated Circuit) protection in case of unexpected short circuit or malfunction.

The **output current** is measured in amperes and ranges from 1A (e.g.: T139 Commander) to 2.1A (e.g.: T1039 Super Titan). The higher the output current, the faster the connected device will charge (providing it has a compatible input power).

SPECTECH POWER COMPARISON CHART

2019



T1041 ABBOTT
5,000 mAh WIRELESS POWER BANK



T1029 SUPER TITAN
10,000 mAh WIRELESS POWER BANK
Qi CERTIFIED (UL2056/UL2738)

T1037 SUPER OFF-ROAD
12,000 mAh SOLAR WIRELESS POWER BANK UL CERTIFIED (MH60809)

RECHARGE COMPARATIVE CHART

CHART INDICATES HOW MANY TIMES A FULLY CHARGED POWER BANK CAN RECHARGE
A DEVICE FROM 0% TO 100% BATTERY POWER



DEVICE		DEVICE BATTERY CAPACITY	T154/T1541 DONALD	T159 COOPER	T1034 PARDO-G2/T9934 NATHAN	T1027 MOXIE	T1039 TITAN	T1023 BLADE	T1026 MISSION	T139 COMMANDER/T9939 NATHAN	T1036 OPHELIA	T1041 ABBOTT	T127 FABRIZIO A5 ZIP JOURNAL WIRELESS CHARGING	T112 FABRIZIO A4	T134/T135/T153 FABRIZIO/DONALD/RONAN	T1232/T1233/T1234 SOL - NOMAD/FABRIZIO/DONALD	T113 FABRIZIO	T1021 OFF-ROAD	T1029 SUPER TITAN	T1037 SUPER OFF-ROAD	T138 FABRIZIO SUPER	
			2,000 mAh POWER BANK / RFID CARD HOLDER	2,200 mAh POWER BANK	2,200 mAh POWER BANK	3,000 mAh POWER BANK	4,000 mAh WIRELESS POWER BANK	4,000 mAh POWER BANK	4,000 mAh POWER BANK	4,000 mAh WIRELESS POWER BANK	4,000 mAh POWER BANK	5,000 mAh POWER BANK	4,400 mAh POWER BANK	5,000 mAh POWER BANK	5,000 mAh POWER BANK	5,000 mAh POWER BANK	6,000 mAh POWER BANK	8,000 mAh POWER BANK	8,000 mAh POWER BANK	10,000 mAh POWER BANK	12,000 mAh POWER BANK	16,000 mAh POWER BANK
			WITH 1A USB OUTPUT AMPERAGE	WITH 1A USB OUTPUT AMPERAGE	WITH 1A USB OUTPUT AMPERAGE	WITH 1A USB OUTPUT AMPERAGE	WITH 1A WIRELESS & 2.1A USB OUTPUT AMPERAGE	WITH 1A USB OUTPUT AMPERAGE	WITH 2.1A USB OUTPUT AMPERAGE	WITH 2.1A USB OUTPUT AMPERAGE	WITH 1A & 2.1A USB OUTPUT AMPERAGE	WITH 1A & 2.1A USB OUTPUT AMPERAGE	WITH 1A WIRELESS SMARTPHONE & 2.5A USB OUTPUT AMPERAGE	WITH 1A WIRELESS & 2A USB OUTPUT AMPERAGE	WITH 2.1A USB OUTPUT AMPERAGE	WITH 1A & 2.1A USB OUTPUT AMPERAGE	WITH 1A & 2.1A USB OUTPUT AMPERAGE	WITH 1A & 2A USB OUTPUT AMPERAGE	WITH 1A & 2A USB OUTPUT AMPERAGE	WITH 1A & 2.1A USB & 1A WIRELESS OUTPUT AMPERAGE	WITH 3.1A USB & 1A WIRELESS OUTPUT AMPERAGE	WITH 1A & 2.1A USB OUTPUT AMPERAGE
KOBO E-READERS	Kobo Glo	1,000 mAh	1.5	1.7	1.7	2.3	3.0	3.0	3.0	3.0	3.3	3.8	3.8	3.8	4.5	—	6.0	6.0	7.5	9.0	12.0	
	Kobo Touch	1,420 mAh	1.1	1.2	1.2	1.6	2.1	2.1	2.1	2.1	2.3	2.6	2.6	2.6	3.2	—	4.2	4.2	5.3	6.3	8.5	
	Kobo Arc	4,400 mAh	0.3	0.4	0.4	0.5	0.7	0.7	0.7	0.7	0.8	0.9	0.9	0.9	1.0	—	1.4	1.4	1.7	2.0	2.7	
	Kobo Aura HD	1,500 mAh	1.0	1.1	1.1	1.5	2.0	2.0	2.0	2.0	2.2	2.5	2.5	2.5	3.0	—	4.0	4.0	5.0	6.0	8.0	
APPLE TABLETS	Apple iPad 2	6,930 mAh	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.9	0.9	0.9	1.1	1.3	1.7	
	Apple iPad Air	8,820 mAh	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.7	0.7	0.7	0.9	1.0	1.4	
	Apple iPad 4 th Generation	11,560 mAh	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.6	0.8	1.0	
	Apple iPad Pro	10,307 mAh	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.9	1.2	
	Apple iPad Mini 4	5,124 mAh	0.3	0.3	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.9	1.2	1.2	1.2	1.5	1.8	2.3	
	Apple iPad Pro 12.9	10,891 mAh	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.6	0.7	0.8	1.1	
	Apple iPad Pro 11	10,891 mAh	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.6	0.7	0.8	1.1	
APPLE SMARTPHONES	Apple iPhone 5	1,440 mAh	1.0	1.1	1.1	1.6	2.1	2.1	2.1	2.1	2.3	2.6	2.6	2.6	3.1	4.2	4.2	4.2	5.2	6.3	8.3	
	Apple iPhone 5S	1,560 mAh	1.0	1.1	1.1	1.4	1.9	1.9	1.9	1.9	2.1	2.4	2.4	2.4	2.9	3.8	3.8	3.8	4.8	5.8	7.7	
	Apple iPhone 6	1,810 mAh	0.8	0.9	0.9	1.2	1.7	1.7	1.7	1.7	1.8	2.1	2.1	2.1	2.5	3.3	3.3	3.3	4.1	5.0	6.6	
	Apple iPhone 6s	1,715 mAh	0.9	1.0	1.0	1.3	1.7	1.7	1.7	1.7	1.9	2.2	2.2	2.2	2.6	3.5	3.5	3.5	4.4	5.2	7.0	
	Apple iPhone 6s PLUS	2,750 mAh	0.5	0.6	0.6	0.8	1.1	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.6	2.2	2.2	2.2	2.7	3.3	4.4	
	Apple iPhone 7	1,960 mAh	0.8	0.8	0.8	1.1	1.5	1.5	1.5	1.5	1.7	1.9	1.9	1.9	2.3	3.1	3.1	3.1	3.8	4.6	6.1	
	Apple iPhone 7 PLUS	2,900 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.6	2.1	2.1	2.1	2.6	3.1	4.1	
	Apple iPhone 8	1,821 mAh	0.8	0.9	0.9	1.2	1.6	1.6	1.6	1.6	1.8	2.1	2.1	2.1	2.5	3.3	3.3	3.3	4.1	4.9	6.6	
	Apple iPhone 8 PLUS	2,691 mAh	0.6	0.6	0.6	0.8	1.1	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.7	2.2	2.2	2.2	2.8	3.3	4.5	
	Apple iPhone X	2,716 mAh	0.6	0.6	0.6	0.8	1.1	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.7	2.2	2.2	2.2	2.8	3.3	4.4	
	Apple iPhone XR	2,942 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.1	4.1	
Apple iPhone XS Max	3,174 mAh	0.5	0.5	0.5	0.7	0.9	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.4	1.9	1.9	1.9	2.4	2.8	3.8		
KINDLE E-READERS	Kindle Fire HD 8	4,750 mAh	0.3	0.3	0.3	0.5	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.9	1.3	1.3	1.3	1.3	1.6	1.9	2.5	
	Kindle Fire HD 10	6,300 mAh	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	1.0	1.0	1.0	1.2	1.4	1.9	
BLACKBERRY SMARTPHONES	Blackberry KEY2 LE	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.0	2.5	3.0	4.0	
	Blackberry Q10	2,200 mAh	0.7	0.8	0.8	1.0	1.4	1.4	1.4	1.5	1.7	1.7	1.7	2.0	2.7	2.7	2.7	3.4	4.1	5.5		
	Blackberry Z30	2,880 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.6	2.1	2.1	2.1	2.6	3.1	4.2	
	Blackberry Passport	3,450 mAh	0.4	0.5	0.5	0.7	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.1	1.3	1.7	1.7	1.7	2.2	2.6	3.5	
	Blackberry DTEK50	2,610 mAh	0.6	0.6	0.6	0.9	1.1	1.1	1.1	1.1	1.3	1.4	1.4	1.4	1.7	2.3	2.3	2.3	2.9	3.4	4.6	
	Blackberry DTEK60	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
HTC SMARTPHONES	HTC One M9	2,840 mAh	0.5	0.6	0.6	0.8	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.3	1.6	2.1	2.1	2.1	2.6	3.2	4.2	
	HTC U12 Life	3,600 mAh	0.4	0.5	0.5	0.6	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.3	1.7	1.7	1.7	2.1	2.5	3.3	
	HTC 10	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
LG SMARTPHONES	LG G3	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
	LG G4	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
	LG G5	2,800 mAh	0.5	0.6	0.6	0.8	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.3	1.6	2.1	2.1	2.1	2.7	3.2	4.3	
	LG V40 ThinQ	3,300 mAh	0.5	0.5	0.5	0.7	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.1	1.4	1.8	1.8	1.8	2.3	2.7	3.6	
	LG Lucid 3	2,440 mAh	0.6	0.7	0.7	0.9	1.2	1.2	1.2	1.2	1.4	1.5	1.5	1.5	1.8	2.5	2.5	2.5	3.1	3.7	4.9	
SAMSUNG SMARTPHONES	Samsung Galaxy S6	2,550 mAh	0.6	0.6	0.6	0.9	1.2	1.2	1.2	1.2	1.3	1.5	1.5	1.5	1.8	2.4	2.4	2.4	2.9	3.5	4.7	
	Samsung Galaxy S6 Edge	2,600 mAh	0.6	0.6	0.6	0.9	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.7	2.3	2.3	2.3	2.9	3.5	4.6	
	Samsung Galaxy S6 Edge+	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
	Samsung Galaxy S7	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
	Samsung Galaxy S7 Edge	3,600 mAh	0.4	0.5	0.5	0.6	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.3	1.7	1.7	1.7	2.1	2.5	3.3	
	Samsung Galaxy S8	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
	Samsung Galaxy S8+	3,500 mAh	0.4	0.5	0.5	0.6	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.3	1.7	1.7	1.7	2.1	2.6	3.4	
	Samsung Galaxy Edge	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
	Samsung Galaxy Note 4	3,220 mAh	0.5	0.5	0.5	0.7	0.9	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.4	1.9	1.9	1.9	2.3	2.8	3.7	
	Samsung Galaxy Note 5	3,000 mAh	0.5	0.6	0.6	0.8	1.0	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.5	2.0	2.0	2.0	2.5	3.0	4.0	
	Samsung Galaxy Note 6	4,500 mAh	0.3	0.4	0.4	0.5	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	1.0	1.3	1.3	1.3	1.7	2.0	2.7	
Samsung Galaxy Note 9	4,000 mAh	0.4	0.4	0.4	0.6	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.1	1.5	1.5	1.5	1.9	2.3	3.0		
SONY SMARTPHONES	Sony Xperia XA2 Plus	3,580 mAh	0.4	0.5	0.5	0.6	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.3	1.7	1.7	1.7	2.1	2.5	3.4	
	Sony Xperia XA	2,700 mAh	0.6	0.6	0.6	0.8	1.1	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.7	2.2	2.2	2.2	2.8	3.3	4.4	
	Sony Xperia XZ3	3,300 mAh	0.5	0.5	0.5	0.7	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.1	1.4	1.8	1.8	1.8	2.3	2.7	3.6	
DELL SMARTPHONES	Dell Venue 7 Pro	4,100 mAh	0.4	0.4	0.4	0.5	0.7	0.7	0.7	0.7	0.8	0.9	0.9	0								