

## USB Battery Pack & Solar Charger Instructions

For V25, V50 & V75

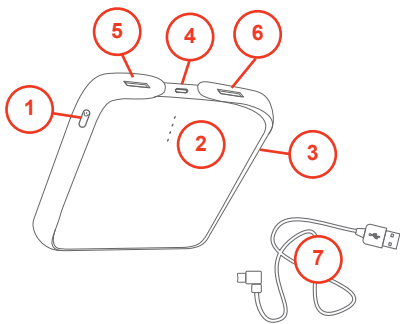
[support.voltaicsystems.com](http://support.voltaicsystems.com)

### Instructions

The Voltaic USB Battery Packs are designed to charge most USB devices including smartphones, tablets, DSLR cameras, and microcontrollers. To charge your device, simply plug into either of USB outputs. These battery packs can recharge via any USB port or from a Voltaic 5-6V solar panel. Battery packs can be charged while charging your device.



**The interior of a solar charger case can become hot in the sun.** In hot conditions, open the battery compartment to increase air flow and avoid overheating.



### Product Details

1. Power Level Button
2. Power Level Indicator
3. MicroUSB Input
4. USB C Input
5. USB Output 1
6. USB Output 2
7. MicroUSB Charging Cable

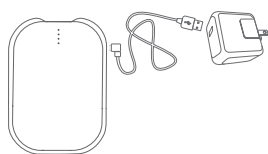
### Charging USB Devices

Using your device's USB charging cable, plug directly into either of the two (2) USB Outputs. Device will automatically begin to charge.

Battery features Always On technology and will not shut off even if your device is drawing low or no power. To stop charging your device, double tap the Power Level Button or disconnect from the battery. To resume charging, tap the Power Level Button once.

Remove cable(s) from USB Outputs when storing the battery for an extended period.

### Charge Battery from USB or USB-C



Recharge the battery from a Voltaic 5-6 Volt solar panel or any USB port (with the included MicroUSB Charging Cable). Can also be recharged via USB-C using any USB Type C cable (not included).

### Battery Level Indicator

Press Power Level Button to show charge level. LEDs will blink when charging and indicate charge progress.

		25% Full
		50% Full
		75% Full
		100% Full

### Charge Times (Hours)

Power Source	V25	V50	V75
USB (5V)	3	5	8
5W Solar Panel	6	12	18
10W Solar Panel	3	6	9

### Tips for Fastest Solar Charging

1. Place solar panel outside in direct sunlight. Panel will not work inside. Charge time increases on cloudy days.
2. Point panel directly at the sun, avoid shading the panel.
3. Confirm LEDs on battery are lighting up in sequence.

### Specifications

V25 Battery: Li-Ion, 6,400mAh / 23Wh

V50 Battery: Li-Ion, 12,800mAh / 47Wh

V75 Battery: Li-Ion, 19,200mAh / 71Wh

All USB Battery Packs:

USB Outputs: 5V/2A / 3A max Output

Inputs: 5-6V/2A MicroUSB and 5V/2A USB C

Protections: Short circuit over charge, over discharge, over temperature, under temperature



Discharge and charge fully every 5 months to preserve battery life. Store between 20 - 35 C (-4 to 95 F). Charge between 0 and 45 C (32 to 113 F). Do not expose battery to high heat or direct flame. Dispose of properly. Do not throw in trash or incinerate. Do not get battery wet, store in high humidity or otherwise short circuit. Do not disassemble or tamper with battery.