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# DEMOCRACY SUITE – 5.10A IMAGECAST POLL EQUIPMENT - CHARGING & STORAGE Quick Reference Guide

# IMAGECAST EVOLUTION (ICE)

## BATTERY TYPE: LITHIUM ION BATTERY – 14.8V 8800MAH



### CHARGING:

- To charge the battery, connect the unit to a standard 120V, 60Hz AC Power.
- Internal backup battery should be charged for at least 12 hours every eight months when the unit is in power-off mode/storage.
- For prolonged storage, it's recommended that the service switch is set to the off position.
- It is equally important to ensure that the internal battery is fully charged before the unit is deployed on Election Day.
- Ensure that the Touchscreen LCD is in its horizontal position and the Service Switch in the ON position.
- If proper battery maintenance is followed, replace back-up battery every 3-4 years.
- Replaced the clock battery (RTC) when tabulator date defaults to Jan 1<sup>st</sup>, 1970.

### STORAGE ENVIRONMENT:

Storage and operating temperature should be cool as possible. Lithium-ion batteries degrade faster if stored or used at higher temperatures.

- Rated storage temperature is 32F to 104F. (The optimal temperature is 50F to 59F.)
- Relative humidity from 20% to 80%.
- Ink cartridge should be removed from the integrated printer and stored appropriately.
- Attach top cover to tabulator to keep tabulator from dust and debris.



# IMAGECAST PRECINCT 2 (ICP2)

## BATTERY TYPE: LITHIUM ION BATTERY – 14.4V 2900MAH



### CHARGING:

- To charge the battery, plug the tabulator into a standard 3-prong 115/120 VAC 50/60Hz wall outlet via the supplied 20VAC Power Adapter.
- It is equally important to ensure that the internal battery is fully charged before the unit is deployed on Election Day.
- For prolonged storage, the batteries should be charged every 4 months for at least 6 hours, to full capacity, while the unit is in power-off mode or storage.
- The unit may remain connected to AC power, if desired. This should not damage the battery or reduce its lifespan.
- The unit can be charged while powered down. Ensure service switch is on (down) position.
- If proper battery maintenance is followed, battery replacement can be prolonged up to 3-4 years.

### STORAGE ENVIRONMENT:

Storage and operating temperature should be kept cool as possible. Lithium-ion batteries degrade faster if stored or used at higher temperatures.

- Rated storage temperature from 32F to 140F. (The Ideal temperature is 50F to 59F.)
- Relative humidity is less than 85%.
- Attach cover to tabulator to keep tabulator from dust and debris.



# IMAGECAST X BMD (ICX)

## BATTERY TYPE: LITHIUM ION 10.8V 2400MAH



### CHARGING:

In order to obtain maximum battery life, periodic maintenance of the ICX BMD internal backup battery is highly recommended.

- To charge the battery, connect the unit to a standard 120V, 60Hz AC Power
- It is equally important to ensure that the internal battery is fully charged before the unit is deployed on Election Day.
- For prolonged storage, it is recommended to charge the battery pack every 8 months for 12 hours in storage mode. Storage mode can be set from the user interface via a Tech smart card and selecting 'Prepare for Storage' from the power down options.
- If proper battery maintenance is followed, battery replacement can be prolonged up to 2-3 years.

### STORAGE ENVIRONMENT:

Storage and operating temperature should be cool as possible. Lithium-ion batteries degrade faster if stored or used at higher temperatures.

- Rated storage temperature is -4F to 140F. (The optimal temperature is 50F to 60F.)
- Relative humidity 0% to 95% non-condensing.
- Store ICX inside transport case from dust and debris.



# APC UPS SMART SMT 1500

## BATTERY TYPE: LEAD-ACID WITH SUSPENDED ELECTROLYTE



### CHARGING:

In order to obtain maximum battery life, periodic maintenance of battery is highly recommended.

- To charge the battery, connect the unit to a standard 120V, 60Hz AC Power.
- It is equally important to ensure that the UPS is fully charged before the unit is deployed on Election Day.
- Perform a full recharge cycle at least every three months for 10-12 hours.

Note: As the load increases on your UPS, the runtime decreases. It is not recommended that the load exceed 80 percent of the UPS unit's rated capacity. In the event of a power failure, a UPS loaded to full capacity will discharge the battery very quickly and there is a potential that the life expectancy of the battery will be significantly reduced.

### STORAGE ENVIRONMENT:

- Rated storage temperature is 5F to 113F. (The optimal temperature is 50F to 60F.)
- Relative humidity 0% to 95% non-condensing.
- Avoid deep discharges during prolong storage.
- Under ideal conditions, it is recommended to replace UPS battery every 4 years. A system in fairly ordinary conditions with high temperatures with lots of discharges, battery should then be replaced every 3 years.
- Replace the battery immediately when the UPS indicates battery replacement is necessary.

