



BY IRON EDISON

**IRON
EDISON
BATTERY**

SINCE 2009



720-432-6433



Info@IronEdison.com

IRONEDISON.COM



RE-VOLT by Iron Edison



The Iron Edison RE-VOLT is the perfect solution for new solar projects or upgrading your existing solar system to enjoy the maintenance-free operation of our Lithium Iron battery. With the included wall mounting bracket, installation is a breeze!



The RE-VOLT is a sealed, maintenance-free battery solution that can provide decades of reliable and worry free energy storage for your off grid or grid interactive energy system. An integrated battery management system prevents damage from overcharging or over discharging. Up to fifteen batteries can be paralleled, creating a battery solution with 150 kWh of capacity for your most demanding applications.



720-432-6433



Info@IronEdison.com

IRONEDISON.COM



RE-VOLT Specification Sheet

ELECTRICAL SPECIFICATIONS

	REVO-5000	REVO-10000
Nominal Voltage	51.2 V	
Operating Voltage	45 V – 57.6 V	
Ah Capacity	100	200
Total Energy	5120 Wh	10240 Wh
Recommended Charge Current	50 A	100 A
Max Charge/Discharge Current	100 A	100 A
Max Batteries in Series	1	
Max Batteries in Parallel	14 / 15*	

CHARGE SPECIFICATIONS

Bulk / Absorb Voltage	56 V	
Absorb End Amps	5 A	10 A
Float Voltage	54 V	

PHYSICAL SPECIFICATIONS

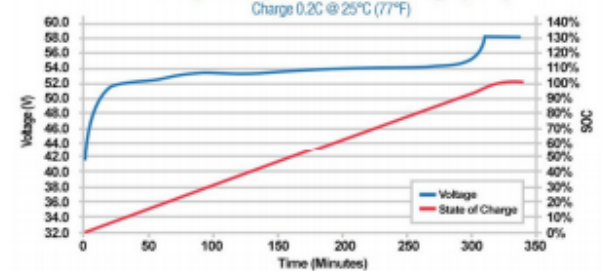
Dimensions (L x W x H)	26.7 x 18.9 x 8.7 in (68 x 48 x 22 cm)	
Weight	129 lbs (58.5 kg)	212 lbs (96.5 kg)
Shipping Classification	UN 3480, Class 9	
Certification	UL1642, IEC 62619, CE, UN38.3, RoHS	

CLIMATE SPECIFICATIONS

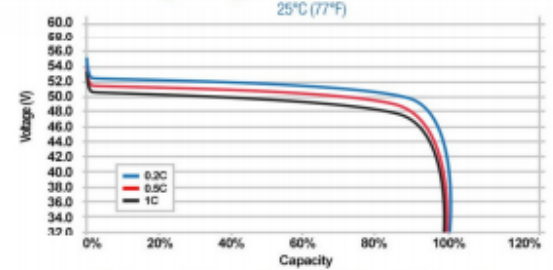
Operating Temperature	0°C to 45°C @60+/-25% Relative Humidity	
Storage Temperature	-20°C to 60°C @60+/-25% Relative Humidity	
Enclosure Rating	IP 21	

- Renewable Energy and Backup Power Applications
- Safest Lithium Ion Chemistry - LiFePO4
- Maximum Compatibility with Industry Standard 48V Equipment
- Integrated Battery Management System
- 10 Year Warranty and Lifetime Technical Support
- Stackable for Additional Energy Storage
- *Stated Capacities are at the 20 hr Autonomy Rating*

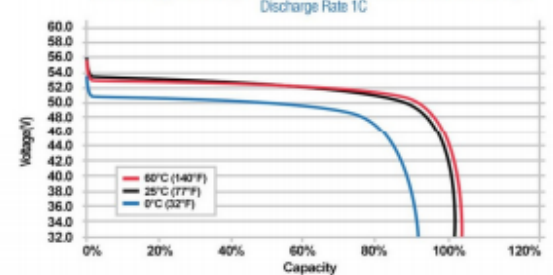
Charge Voltage and State of Charge (SOC)



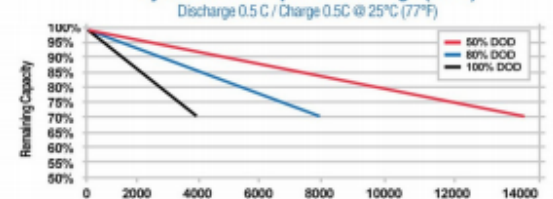
Discharge Voltage Characteristics at Various Rates



Discharge Voltage Characteristics at Various Temps



Cycle Life vs. Depth of Discharge (DOD)



720-432-6433



Info@IronEdison.com

IRONEDISON.COM