



IRON EDISON Re-VOLT™

Lithium Iron Phosphate (LiFePO₄) Battery
TECHNICAL SPECIFICATIONS

Revised 7/2020



- Renewable Energy & Backup Power Applications
- Safest Lithium-Ion Chemistry – LiFePO₄
- Maximum Compatibility with Industry Standard 48v Equipment
- Integrated Battery Management System
- Stackable for Additional / Scalable Energy Storage
- 10 Year Warranty & Lifetime Technical Support

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

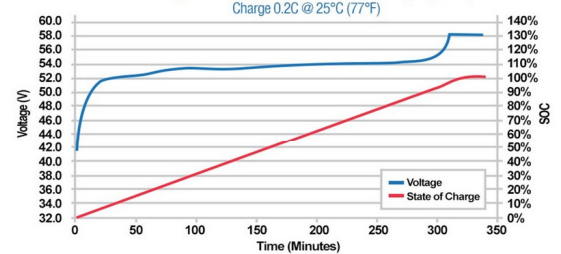
Dimensions (L x W x H)	26.7 x 18.9 x 8.7 in (68 x 48 x 22 cm)	
Weight	129 lbs (58.5 kg)	212 lbs (96.5 kg)
Shipping Classification	UN 3480, Class 9	
Certification	UL1642, IEC 62619, CE, UN38.3, RoHS	

CLIMATE SPECIFICATIONS

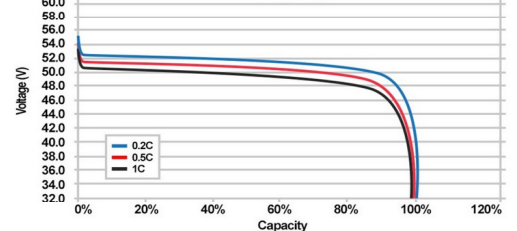
Operating Temperature	0°C to 45°C @60+/-25% Relative Humidity	
Storage Temperature	-20°C to 60°C @60+/-25% Relative Humidity	
Enclosure Rating	IP 21	

- Charging at Recommended Charge Current to Bulk Termination / Absorb Voltage (1-Stage Bulk aka CC) will charge the battery to approx 95% SoC.
- Charging at Bulk Termination / Absorb Voltage to Absorb Termination Current (2-Stage Bulk+Absorb aka CC/CV) will charge the battery to 100% SoC.
- Equalize charging is not needed or recommended.
- Temperature compensation for charge voltage is not required.

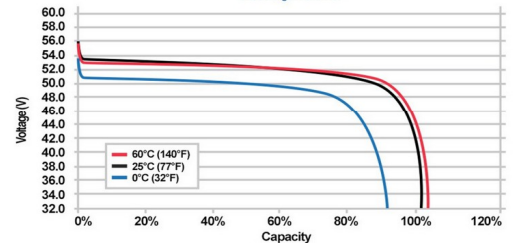
Charge Voltage and State of Charge (SOC)



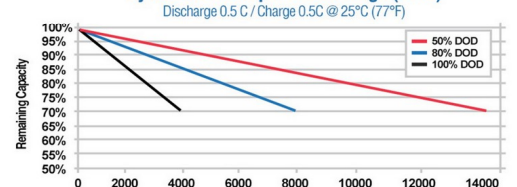
Discharge Voltage Characteristics at Various Rates



Discharge Voltage Characteristics at Various Temps



Cycle Life vs. Depth of Discharge (DOD)



720-432-6433

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