

Skype



DISCOVER

Discover Battery is a world leader in designing and manufacturing transportation, motive power and advanced energy storage solutions.



Batería Discover 42-48-6650



Batería Discover 44-24-2800



Bracket batería litio Discover



Link batería litio Discover





Link batería litio Discover

To "discover" means to find something in the course of a search.

At Discover, we are always searching for better solutions to **battery and energy storage challenges**. What started as a **battery** distribution business in 1949 has evolved to become a leading innovator and manufacturer of high value **power solutions** delivered and serviced globally through the best distribution partner network in the world.

Success in our market is about delivering excellence with the design, manufacture and supply of **battery** products and **energy storage** solutions that we know will set our Original Equipment and distribution partners apart from their competition and that provide meaningful results and outcomes for their customers.

Discover Advanced Energy Systems **lithium batteries** offer your the lowest total cost of **energy storage** for **off-grid** and **micro-grid** applications. With a warranted life of 10 years, and a design of over 20 years, Discover AES batteries will last 3 ~ 5 times longer than traditional lead-acid batteries.

Discover AES **lithium batteries** are > 25% more efficient than their lead acid equivalents. **Lithium batteries** have 4 times the energy density of lead acid and they require no maintenance.

FEATURES + BENEFITS OF ADVANCED ENERGY SYSTEM BATTERIES (LiFePO4)



JUCE Enhanced Run Time.

- Double the Run Time of Lead Acid Battery
- 100% Usable Capacity
- 100% Depth of Discharge



AEON Extended Service Life.

- Three Times the Life of Lead Acid Battery
- Unlimited Partial State of Charge Cycles
- 10 Year Energy Throughput Stationary Warranty





SENTRY
Reliable, Safe, Certified.

- LiFePO4 is Safe and Maintenance Free
- Integrated High Current BMS
- Field Serviceable BMS
- IP 55 Rated
- IEC 62133 Safety
- UL 1973 Safety Certified
- UN 38.3 Transport Certified



PARALLEL POWER
Scalable Energy Storage.

- Voltage Specific Models 24V / 48V
- LiFePO4 Energy Storage to Over 120kWh
- Linear Scaling of LiFePO4 Charge and Discharge Capacity
- Integrated System Wide BMS Communication



RUSH
Surge Power.

- Power for Off-Grid Inverter Surge Demand
- Peak 2.3C Discharge Rate
- 1C Continuous Discharge Rate



MISER
High-Efficiency.

- 30% Less Energy Waste Compared with Lead Acid Battery
- 95% Round Trip Battery Efficiency



RAPICHARGE
Fast Charging.

- Reduce Generator Fuel Consumption
- 1C Continuous Charge Rate, Regardless of SoC
- Up to 5x Faster than New Lead Acid Batteries
- Up to 10x Faster than Old Lead Acid Batteries





LYNK Dynamic Performance Realized.

- Real-Time Optimization of the Charge Rate
- Up to 25% Faster Recharge from 0% to 100% SoC
- Internal BMS Plug-and-Play Configuration with Power Conversion
- BMS Reports SoC and kWh Logs, Fault Logs to System

SPECIFICATIONS

44-24-2800 42-48-6650

Electrical Specifications

Nominal Voltage	25,6 V	51,2 V
Charge Voltage	27,2 V	54,4 V
Máximum Voltage *	29,2 V	58,4 V
Nóminal Capacity (1C)	110 Ah	130 Ah
Nominal Energy (1C)	2816 Wh	6656 Wh
Max. Continuous Current	110 A	130 Ah
Peak Current	600 Acd for 3 sec	600 Acd for 3 sec
Cell Chemistry	LiFePO4	LiFePO4
Charge Temperature **	0° / 45° C	0° / 45° C
Discharge Temperature **	-20° / 50° C	-20° / 50° C
Storage Temperature **	-20° / 45° C	-20° / 45° C
Self-	< 3% per	< 3% per

Discharge 25°C	month (battery off)	month (battery off)
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Mechanical Specifications

Length (A)	329,5 mm	471,5 mm
Width (B)	347,5 mm	347,5 mm
Height (C)	276 mm.	375 mm
Weight	40 Kg	87 Kg
Terminal	M8	M8
Terminal Torque	9 NM (+/- 3)	9 NM (+/- 3)
Case Material	Steel	Steel
IP Rating	IP 55	IP 55

* Do not exceed maximum voltage at the battery terminal

** CAUTION: Extra considerations must be given to depths of discharge, operating voltages and currents when designing systems for use at maximum operating temperatures.


44-24-2800

42-48-6650


Constant Power - Minutes of Discharge				Constant Power - Minutes of Discharge			
500	1000	2000	2500	500	1000	2000	3000
W	W	W	W	W	W	W	W
337	168	84	68	799	399	200	133
Constant Current - Minutes of Discharge				Constant Current - Minutes of Discharge			
@	@ 25	@ 50	@	@	@ 25	@ 50	@
10	A	A	100	10	A	A	100
A			A	A			A
660	264	132	66	780	312	156	78

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