

# ENERGY STORAGE SYSTEMS



**Lithium energy storage systems for residential off-grid solar, microgrid and whole home backup power.**

## AES

Discover® **Advanced Energy System (AES) LiFePO<sub>4</sub>** lithium batteries offer bankable performance and feature up to 3C peak power along with lightning fast 1C continuous charge and discharge rates. Parallel up to twenty batteries with closed-loop communication for 148 kWh of capacity.





## AES RACKMOUNT

Easily install in minutes, mount up to six Discover® **AES RACKMOUNT ESS** Battery Modules with the Quick Stack Rack. Parallel up to six Battery modules with the **AES RACKMOUNT** Battery Combiner. Install outdoors with the 30 kWh Slimline Outdoor Enclosure. Parallel up to six enclosures - 180 kWh.





## DISCOVER LITHIUM ESS FOR OFF-GRID SOLAR, MICROGRID AND WHOLE HOME BACKUP POWER.

	 <b>42-48-6650</b>	 <b>44-48-3000</b>	 <b>48-48-5120</b>	 <b>48-48-5120-H*</b>
Industry Reference				
Dimensions	18.5 x 13.7 x 14.7 in	13.0 x 13.3 x 10.1 in	19.6 x 17.3 x 5.3	19.6 x 17.3 x 5.3
L x W x H	470 x 348 x 373 mm	330 x 339 x 256 mm	497 x 439 x 133.5 mm	497 x 439 x 133.5 mm
Weight	87.0 kg / 192.0 lb	45.0 kg / 99.0 lb	44 kg / 97 lb	44 kg / 97 lb
Nominal Energy	7.39 kWh	2.92 kWh	5.12 kWh	5.12 kWh
Usable DoD%	90 %	100 %	100 %	100 %
Rated Capacity (1Hr)	6.65 kWh (130 Ah)	2.92 kWh (57 Ah)	5.12 kWh (100 Ah)	5.12 kWh (100 Ah)
Max Charge Current (1 Hr)	130 A	57 A	95 A	95 A
Peak Discharge (3 sec)	300 A RMS	219 A RMS	218 A RMS	218 A RMS

\* Heated Model



### LYNK II GATEWAY



#### ADVANCED INTEGRATION – FASTER CHARGING

Unlock the full potential of a Discover Lithium ESS battery by enabling the BMS to optimize and dynamically manage the charging configurations of hybrid inverter-chargers - **Schneider, Victron, Sol-Ark, SMA, Studer.**



### LYNK ACCESS

#### CONFIGURE, MONITOR, TROUBLESHOOT AND SIMULATE DISCOVER LITHIUM ESS BATTERIES

LYNK ACCESS software for PCs monitors and presents state-of-charge, current, voltage, and temperature for Discover Lithium ESS batteries.

LYNK ACCESS configures CAN bus communication protocols for LYNK GATEWAY devices and provides troubleshooting access to Discover Lithium ESS batteries for installers and service technicians.



#7 -13511 Crestwood Place, Richmond, BC, V6V 2E9, Canada



+ 1.778.776.3288



info@discoverlithium.com

[discoverlithium.com](https://discoverlithium.com)