

Discover[®] ADVANCED ENERGY

Lithium-Ion Battery Systems



PARALLELPOWER

MAKING THE CONNECTION



COMMUNICATION AND COORDINATION OF UP TO 20 UNITS IN PARALLEL.

SCALABLE ENERGY STORAGE TO MEET THE RUNTIME AND AUTONOMY REQUIREMENTS UNIQUE TO OFF-GRID SOLAR AND WHOLE HOME BACKUP POWER.

The intelligent Battery Management System (BMS) capabilities of Discover AES LiFePO₄ batteries provide communication and coordination of up to 20 units in parallel over the proprietary AEBus allowing for usable capacities between 6-120 kWh per battery string.

Paralleled batteries communicate, coordinate and synchronize over AEBus which manages cell balancing, allows for linear scaling of charge and discharge current capacities, and limits external network traffic to a single BMS.

In comparison to batteries designed for residential self-consumption and short duration backup applications, Discover AES LiFePO₄ batteries with PARALLELPOWER provide system designers with easily scalable, energy storage capacity to size their stored energy to the load and autonomy requirements of grid defectors and truly off-grid homes.