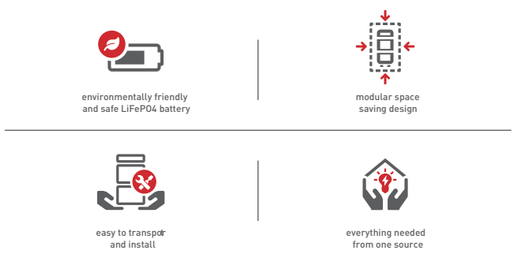
POWER BATTERY
5.0 | 7.5 | 10.0 | 12.5 | 15.0 | 30.0

MODULAR HIGH VOLTAGE OUTDOOR BATTERY FOR PV STORAGE SYSTEMS





HIGH EFFICIENCY

- CATL $LiFePO_4$ technology- 32Ah cells
- 25A charge & discharge capability
- High voltage, high efficiency, low stress operation
- Modern and space-saving design

EASY INSTALLATION

- Modular concept and simple wiring for easy transport and installation
- Lightweight components
- Master battery management system
- Plug & play

MONITORING VIA APP

- Powerful RESS App
- Full data visualization
- Monitoring from every location
- Configuration options
- One click update

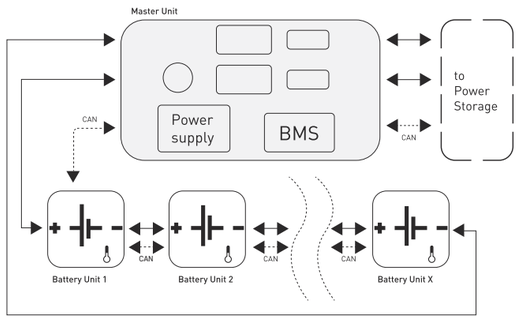
FLEXIBLE AND UPGRADEABLE

- 2 - 6 battery stacks
- Usable capacity scalable in increments of 2.5 kWh
- Upgradeable
- Suitable for back-up systems

SUSTAINABLE

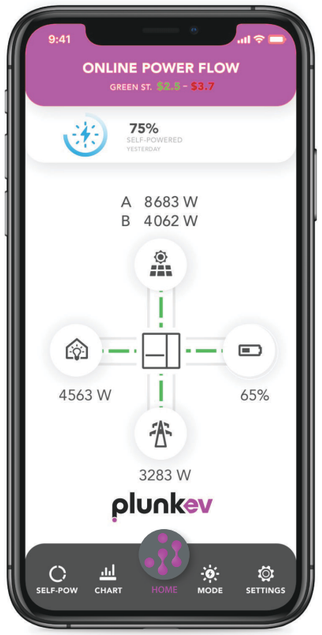
- Lithium-iron-phosphate cell chemistry
- 12 years time value guarantee
- IP65: Suitable for outdoor installation

BLOCK DIAGRAM



POWER BATTERY	5.0	7.5	10.0	12.5	15.0	30.0
ELECTRICAL PARAMETERS						
Nominal capacity	5 kWh	7.5 kWh	10 kWh	12.5 kWh	15 kWh	30 kWh
Usable capacity (90% DoD)	4.5 kWh	6.75 kWh	9 kWh	11.25 kWh	13.5 kWh	27 kWh
Cycle Life	6000					
Voltage range	145 V...166 V	218 V ... 248 V	291 V ... 331 V	364 V ... 414 V	436 V ... 497 V	
Nominal voltage	154 V	230 V	307 V	384 V	461 V	
Maximum charge / discharge current	25A / 25 A	25A / 25 A	25 A / 25 A	25 A / 25 A	25 A / 25 A	
Standby consumption	< 5 W					
INTERFACES						
Power Storage interface	CAN					
GENERAL						
Battery technology	CATL LiFePO4					
Dimensions (height x width x depth)	1.96'x1.13'x1.13'	2.72'x1.13'x1.13'	3.47'x1.13'x1.13´	4.23'x1.13'x1.13'	4.98'x1.13'x1.13'	x2
Weight (single module 55.5 lb)	124.3 lb	179.9 lb	235.5 lb	291.0 lb	346.6 lb	693.2 lb
Number of battery units	2	3	4	5	6	12
IP degree of protection	IP65					
Type of installation	floor stand / indoor / outdoor					
Operating temperature range	-4 °F ~ 131 °F (-20°C ~ 55°C)					
Connector type	Quick Contact MC4 - Evo 2					
SAFETY / STANDARDS						
Safety class	I					
Certificates	UN 38-3, UL1973, UL60730-1, UL9540A					
EMC	FCC Part 15B, ICES-003					
Safety	UL1973, UL60730-1, UL9540A					

WARRANTY	
Warranty	12 years



plunkev BESS APP

With the powerful PlunkEV BESS App you can manage and control all functions of your storage system. Installation, maintenance and control are made easy. The App is a flexible tool and includes comprehensive data visualization and various configuration options.

