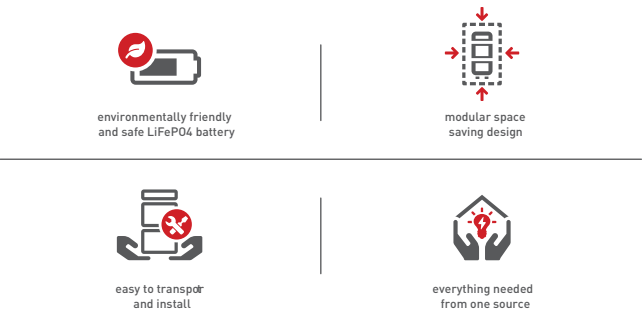




POWER BATTERY

5.0 | 7.5 | 10.0 | 12.5 | 15.0 | 30.0

MODULAR HIGH VOLTAGE OUTDOOR BATTERY FOR PV STORAGE SYSTEMS



HIGH EFFICIENCY

- CATL LiFePO₄ 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

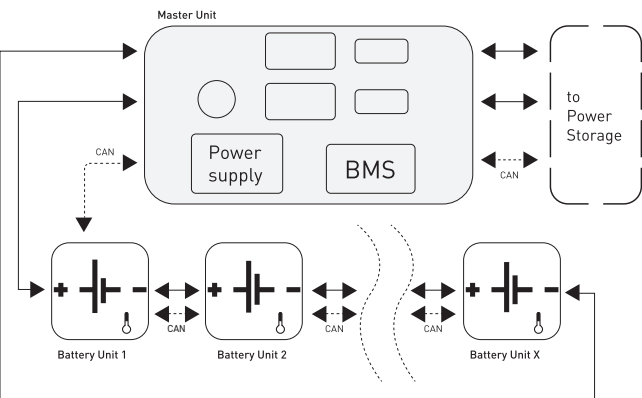
FLEXIBLE AND UPGRADEABLE

- 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
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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
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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.

