



## Stationary & Mobile Energy Storage

PART NUMBER	VOLTAGE (V)	CAPACITY (Ah)	ENERGY (kWh)	MAX CURRENT* (A)	MAX POWER* (kW)	MAX PARALLEL	SIZE (IN.)
LFP3250-LV512100	51.2	100	5.12	200	10.24	62	19 x 24 x 6.3
LFP3250-LV480100	48	100	4.8	200	9.6	62	19 x 24 x 6.3
LFP3250-LV256200	25.6	200	5.12	200	5.12	62	19 x 24 x 6.3
LFP3250-LV128400	12.8	400	5.12	200	2.56	16	19 x 24 x 6.3
LFP3250-LV512100SP	51.2	100	5.12	100	5.12	62	19 x 20 x 6.3
LFP3250-LV256200SP	25.6	200	5.12	100	2.56	62	19 x 20 x 6.3

\* Per Module



## LIFEPO4 MODULAR STORAGE

### DESIGN FEATURES INCLUDE:

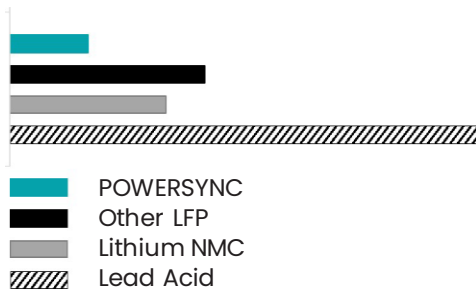
- Up to 5X More Continuous Power than Competitors
- Scalability With Up to 62 Modules in Parallel
- Full Stop Breakers on Each Module
- Communication with Industry Leading Inverters
- 51.2V, 48V, 25.6V or 12.8V Options
- 15 Year Limited Warranty

### OPTIONAL FEATURES INCLUDE:

- Internal Heater
- RV-C Communications



Levelized Cost of Energy



**Easy Installation:** Module designs fit standard indoor racking, cabinet, wall mount or outdoor container systems with closed loop communication with industry leading inverters.

**Superior Safety:** POWERSYNC designs all systems to meet and exceed all safety requirements for energy storage systems. At the cell level our systems have successfully passed explosion resistance crush, puncture, drop and impact tests. At module, stack, and system levels, our advanced battery management system balances the cells and the paralleled modules, protects against under/over voltage and current, temperature and short circuit protections.

## Best

### Total Cost of Ownership

Based upon system design, manufacturer's MSRP, maintenance costs, warranty, cycle life, discharge rates, and operating parameters.

**Compliance:** UL-1973, CE, IEC62619 & CB, KC BIS, UN38.3



## SCALABLE CONFIGURATIONS

CONFIGURATION	CAPACITY	MAX CONTINUOUS POWER*	MODULE WEIGHTS
1 Module	5.12 kWh	10.24 kW	116 lbs
2 Modules	10.24 kWh	20.48 kW	232 lbs
3 Modules	15.36 kWh	≤ 30 kW	348 lbs
4 Modules	20.48 kWh	≤ 40 kW	464 lbs
5 Modules	25.6 kWh	≤ 50 kW	580 lbs
6 Modules	30.72 kWh	≤ 60 kW	696 lbs
7 Modules	35.84 kWh	≤ 70 kW	812 lbs
8 Modules	40.96 kWh	≤ 80 kW	928 lbs
9 Modules	46.08 kWh	≤ 90 kW	1,044 lbs
10 Modules	51.2 kWh	≤ 102 kW	1,160 lbs

\*The Max Continuous Power is based upon the 51.2V "HP" High Power module.

POWERSYNC "HP" high power modules are UL-1973 certified and rated to a maximum continuous charge / discharge current of 200A per module. The "SP" Standard power modules are UL-1973 certified and rated to a maximum continuous / discharge current of 100A.

Compatible Inverters and Rectifiers: CE+T, Cotek, GroWatt, Outback, Schneider, Sermatec, SMA, Sofar, Sol-Ark, Solis, Victron, LaMarche, Eaton, Majorpower and more.



## RUNTIME EXAMPLES

### Storage Capacity

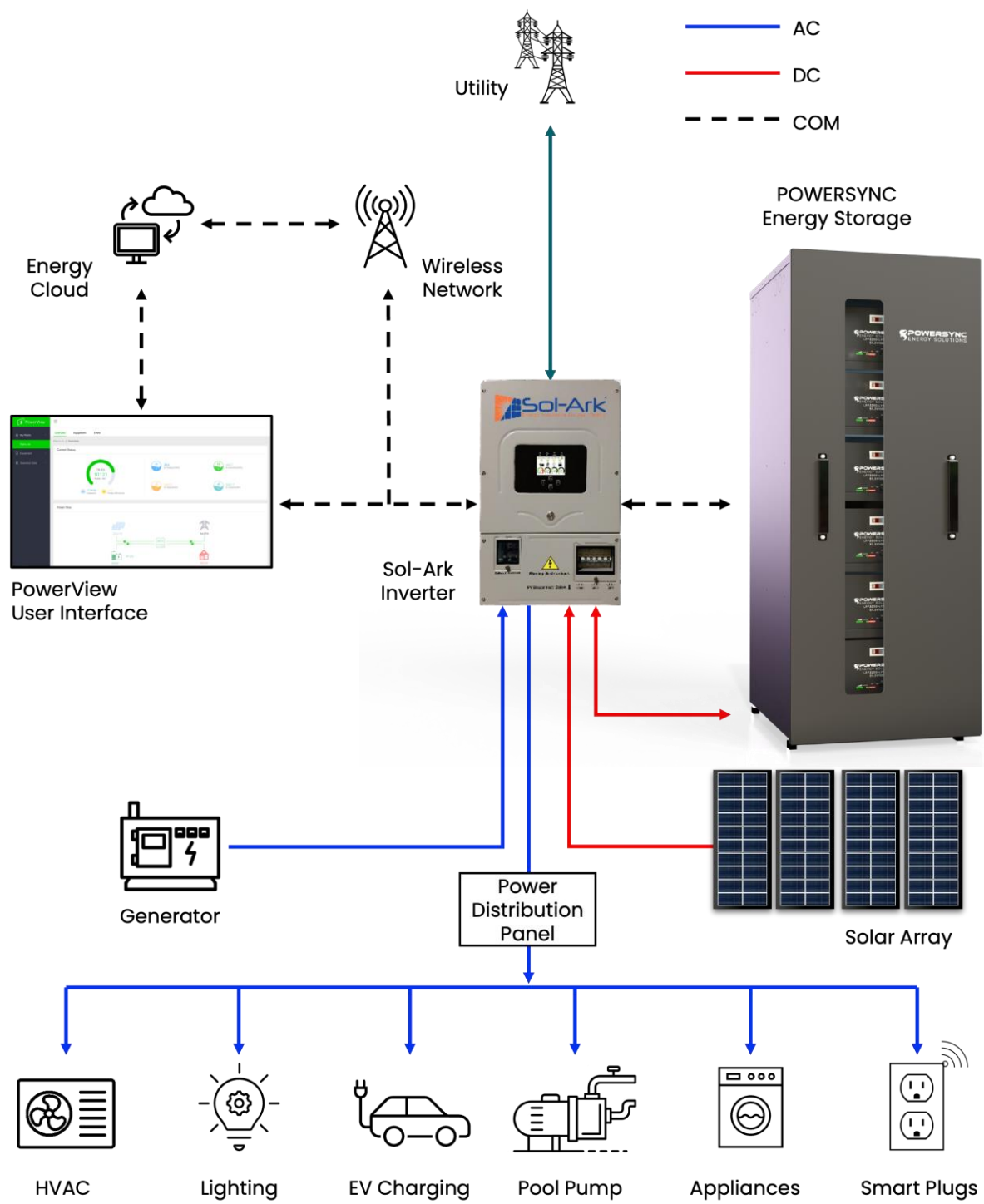
### Energy Load (Watts)

Modules	kWh	500	1,000	1,500	2,000	3,750	5,000	7,500	10,000	15,000	20,000
1	5.12	10	5	3	3	1	1	0.7	0.5		
2	10.24	20	10	7	5	3	2	1.3	1	0.7	0.5
3	15.36	30	15	10	8	4	3	2	1.5	1	0.8
4	20.48	40	20	13	10	5	4	3	2	1	1
5	25.60	50	25	17	13	7	5	3	3	2	1
6	30.72	60	30	20	15	8	6	4	3	2	2
7	35.84	70	35	23	18	9	7	5	4	2	2
8	40.96	80	40	27	20	11	8	5	4	3	2
9	46.08	90	45	30	23	12	9	6	5	3	2
10	51.20	100	50	33	25	13	10	7	5	3	3

Runtime (Hours)

**EXAMPLE LINE DIAGRAM**

**WITH SOL-ARK INVERTER**





Wall Mount Enclosure



8 Module Enclosure

## Indoor / Outdoor Enclosure Options

POWERSYNC provides a variety of enclosures designed to NEMA 3R specifications providing your batteries with plenty of protection from the elements. The enclosures are supplied with pre-measured module to module copper busbars.

Each enclosure has four knockout options on each side of the enclosure for power and communication cables.

The front panel contains a window that allows visibility of the module state of charge (SOC) LED lights.

Up to 62 modules can be connected in parallel. Contact your POWERSYNC representative for recommendations on multi-stack connections.

Enclosures can be supplied with any color, finish, and screen printing of your company logo.

PART NUMBER	MODULE COUNT	EMPTY WEIGHT (LBS.)	SIZE (IN.)
BT-2M- WM	2	110	20 x 26 x 8
BT-3M-WM	3	180	9 x 30 x 66
BT-3M-CB	3	127	31 x 22 x 27.5
BT-4M-CB	4	185	38 x 22 x 27.5
BT-5M-CB	5	221	46 x 22 x 27.5
BT-6M-CB	6	257	54 x 22 x 27.5
BT-8M-CB	8	324	69 x 22 x 27.5
BT-11M-CB	11	426	92 x 22 x 27.5