

# Li-Rack

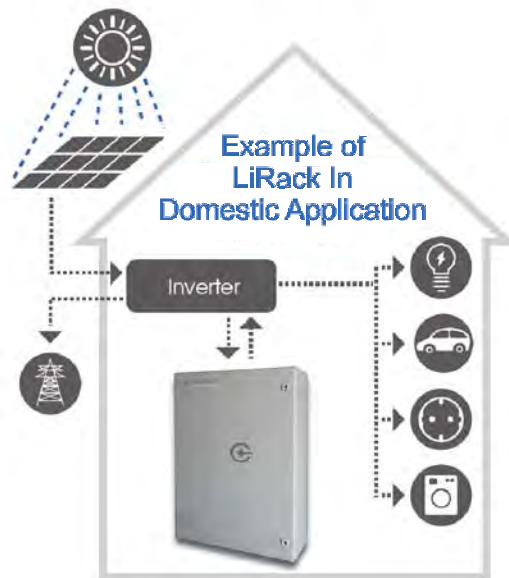
*Revolutionizing the Energy Storage!*  
**First Internet Ready Battery**

## Features

- \* Highest Safety Standards
- \* Fast Charging Time (ca. 2-3h)
- \* Low Self-Maintenance Discharge
- \* High Charge-/Discharge Currents
- \* Maintenance free
- \* No periodic Discharge necessary
- \* No Memory Effect
- \* Cost Effective & Space Saving
- \* Solid Heavy-Duty Cabinet
- \* Highest Efficiency & Life Expectancy
- \* Non Explosive & Non Flammable



**GERMAN ENGINEERING,**  
**MADE IN INDIA**



### LiCell - the high performance cell:

Regarding the lithium cells we also stand out from the usual market standard - lithium-iron phosphate (LiFePO<sub>4</sub>). Instead, we use lithium iron yttrium phosphate (LiFeYPO<sub>4</sub>). The doping with yttrium will increase the cells' life expectancy and performance. The conceptual design and chemistry of our Li-cells renders them intrinsically safe, this means in case of a problem the cells cannot catch fire. By the way, most cell phone or laptop batteries are not intrinsically safe!

**AutarcTech**  
enjoy independence



Lithium  
Based

Up To  
20 YEARS\*

FAST  
CHARGING

NO  
MAINTENANCE

HIGHER  
RETURNS

NON  
FLAMMABLE

# Technical Specification

**MNRE CHANNEL PARTNER**

Capacity	3.5 kWh /60Ah	5.6 kWh /100 Ah	8.9 kWh/160 Ah	11.2 kWh/200 Ah
Voltage	48V			
Max Current/ discharge current	60A	100A	160A	200A
Interface	CAN, CANopen			
Remote Monitoring	Yes			
Extendable	Yes			
Dimensions (W X H X D) mm	470 X 380 X 230	600 X 370 X 240	600 X 800 X 250	800 X 1000 X 300
Weight kg	47	65	135	195
Cell Type	LiFeYPO4 high performance cells			
Cycles	8000 (80% DOD)			
Efficiency	95%			
Operating Temp	-25°C to +50°C (-13F to 122F)			

Capacity	16.8 kWh/300 Ah	22.4kWh/ 400Ah	33.6kWh /600 Ah	55 kWh /1000 Ah
Voltage	48V			
Max Current/ discharge current	300A	300A	300A	300A
Interface	CAN, CANopen			
Remote Monitoring	Yes			
Extendable	Yes			
Dimensions (W X H X D) mm	600x1375x630	600 x 2000 x 600		
Weight kg	267	330	496	895
Cell Type	LiFeYPO4 high performance cells			
Cycles	8000 (80% DOD)			
Efficiency	95%			
Operating Temp	-25°C to +50°C (-13F to 122F)			

**2.5 + MW Installed & Running Successfully**

**Production & Sales  
for Asia**

*One Stop Solution for Your Energy Needs*

**Vision  
Mechatronics**

70/72, Punjani Industrial Estate,  
Khopat, Thane (W) - 400601,  
Maharashtra (India)

Tel: 91-22-25477750

E-mail: [sales@vmechatronics.com](mailto:sales@vmechatronics.com)

Website: [www.vmechatronics.com](http://www.vmechatronics.com)

