

**ON THE NATIONAL
MISSION OF
MADE IN INDIA**



Providing Indigenous
Green Energy Solutions

India's First Lithium
Battery Manufacturing Unit

WE BELIEVE
Renewable is the Future

Working towards
Green energy
Greener earth

We are committed to
deliver world class
energy solutions in a
safe, reliable, efficient
and environmentally
sound manner.



www.fhtbl.com

Telecom Battery Module



SALIENT FEATURES

- ⚡ Intelligent module.
- ⚡ Automatic cell balancing function.
- ⚡ Flexible capacity expansion.
- ⚡ Communication function.
- ⚡ Easy monitoring.
- ⚡ Excellent safety and light span.

PROTECTION

- ⚡ Over temperature cutoff.
- ⚡ Over voltage cutoff.
- ⚡ Short circuit protection.
- ⚡ Over charge/discharge cutoff.
- ⚡ Over current cutoff.

WARRANTY
10 YEARS

Constructed with LFP cells each module is equipped with independent Battery Management System.

Modules are compact in size & ultra light with greatly enhance life cycles.

These modules carry excellent safety, better energy density, long life span and are expandable in parallel to achieve higher storage capacity needs.



Telecom Battery Module (48 V 50 Ah)

Technical Specifications

S.No	Parameters	Description	Unit	ET024
1.	Total Energy		kWh	2.4
2.	Chemistry			LFP
3.	Nominal Voltage		V	48
4.	Rated Capacity		Ah	50
5.	Operating Voltage	Charge	V	54
		Discharge		40.5
6.	Communication		Port	RS485/RS232
7.	Max. Continuous Current	Charge	A	50
		Discharge		50
8.	Module	Scalability		upto 400 Ah
9.	Life Cycles (at 70 % DOD)		Nos.	≥ 6000
10.	Weight		kg	22
11.	Dimensions	l x w x h	mm	480 x 360 x 90
12.	Operating Temperature	Charge	°C	0 ~ 55
		Discharge		-20 ~ 50

Powerhouse

Energy Storage System

6000+
CYCLE



Powerhouse offers four different capacities ranging between 2.5 to 10 kw hour within a single size of modular enclosure.

To provide continuous supply of power, Powerhouse which is build on LFP chemistry with safe performance. parameter and a longer life upto fifteen years of life span, offers you various capacities to meet more than your requirements.

SALIENT FEATURES

- ⚡ Light weight and sleek size.
- ⚡ Modular expandable system.
- ⚡ Natural cooling.
- ⚡ High power output.
- ⚡ Easy and quick installation.



Technical Specifications

S.No	Parameters	Description	Unit	ES001	ES002	ES003	ES004
1.	Total Energy		kWh	2.4	4.8	7.2	9.6
2.	Chemistry			LFP			
3.	Nominal Voltage		V	48			
4.	Rated Capacity		Ah	50	100	150	200
5.	Operating Voltage	Charge	V	54			
		Discharge		40.5			
6.	Max Output Power		kW	2.4	4.8	7.2	9.6
7.	Max. Continuous Discharge Current	Continuous	A	50	100	150	200
		Peak (3 min)		100	200	300	400
8.	Life Cycles (at 70 % DOD)		Nos.	≥ 6000			
9.	Weight		kg	47	69	91	113
10.	Dimensions	l x w x h	mm	928x 555 x 210			
11.	Operating Temperature		°C	(-20)~60			
12.	Humidity			5%≤RH≤85%			

Energy Storage System

Modules & Racks

Cabinet capabilities modular based energy to meet higher energy storage capacities and also to answer the need of high current requirements.

Our energy storage system based on various standard modular and with optimum flexibility to design customized modules to fit within same Ucase and cabinet.



SALIENT FEATURES

- ⚡ Expandable in series as well parallel.
- ⚡ LFP based ESS, long life.
- ⚡ Safest battery with modular design.
- ⚡ Wide operating temperature range.
- ⚡ Flexible control that covers all commercial fields.
- ⚡ Quick and easy installation.
- ⚡ Low maintenance requirement.

Technical Specifications

S.No	Parameters	Descriptions	Unit	ES006	ES007
1.	Energy		kW	144	140
2.	Chemistry			LFP	
3.	Nominal Voltage		V	240	256
4.	Rated Capacity		Ah	600	550
5.	Operating Voltage	Charge	V	288	292
		Discharge		160	224
6.	Cell Configuration	Single Cabinet	Nos.	15S200P	16S110P
		Total Cells		3000	1760
8.	Life Cycles (at 80% DOD)		Nos.	≥ 2500	≥ 5000
9.	Dimensions of Cabinet	l x w x h	mm	540 x 600 x 2300	600 x 800 x 2050
10.	Max. Continuous Discharge Current		A	120	300
11.	Temperature	Charge	°C	0°C ~ 55°C	0°C ~ 50°C
		Discharge		-20°C ~ 70°C	-20°C ~ 50°C
		Storage		-20°C ~ 45°C	
12.	Humidity		%	5% ≤ RH ≤ 85%	

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The future lies with
Future Hi-Tech

We are certified for the essential parameters of the industry which includes:



Further we are empanelled with following agencies:

DRDO-SASE | BEL | COD

& many more

MNRE Channel Partner

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