RESERVE POWER

Eternity TECHNOLOGIES

ET-LI-ION

LFP (Lithium Iron Phosphate) Battery Module

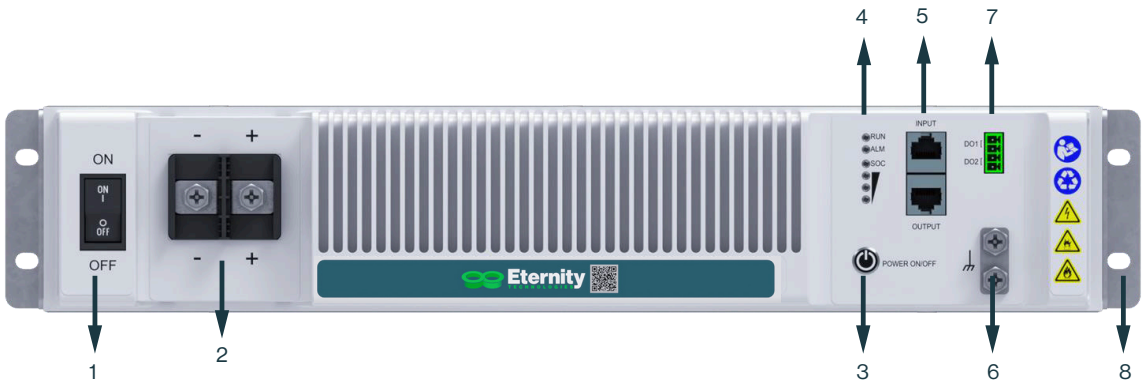
POWER FOR TOMORROW TODAY

ET-LI-ION Battery

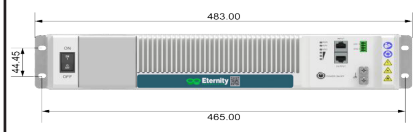
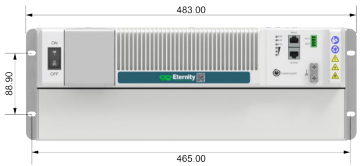
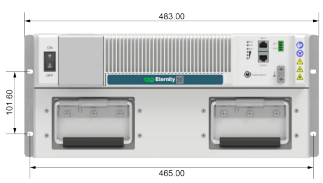
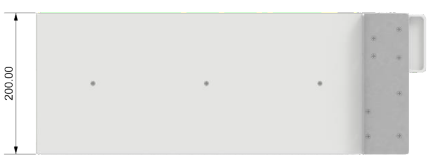
Eternity Technologies lithium iron phosphate batteries, delivers high energy density and excellent cyclic endurance without compromizing safety.

Eternity Technologies rechargeable lithium iron phosphate battery designed for applications such as telecom power systems, energy storage, renewable energy, and hybrid power solutions. It features high energy density, redundant safety design, long cycle life, light weight, easy to install, maintenance-free and extensive monitoring and controlling capabilities. It is widely used in indoor power and backup systems to provide reliable power for telecom equipment.

Lithium Iron Phosphate Battery Module



1. Main circuit breaker	2. Battery power terminal, M8	3. Activation button	4. Indication LED
5. RS485 Ports	6. Grounding point	7. Dry contact / alarms	8. Mounting bracket

Model	Front view	Side view
IBUE-48100		
IBUE-48150		
IBUE-48200		

Battery Specifications...

Specifications		Range		
		IBUE-48100	**IBUE-48150**	**IBUE-48200**
Lithium chemistry		Lithium Iron Phosphate (LFP)	(LFP) Lithium Iron Phosphate	(LFP) Lithium Iron Phosphate
Nominal voltage		48V	48V	48V
Rated capacity		100Ah (@ 25°C)	150Ah (@ 25°C)	200Ah (@ 25°C)
Rated energy		4800 Wh	7200 Wh	9600 Wh
Cycle life		4000 (Cycles @ 25°C, 80% DOD)	4000 (Cycles @ 25°C, 80% DOD)	4000 (Cycles @ 25°C, 80% DOD)
Calendar life		≤ 15 years	≤ 15 years	≤ 15 years
Communication interface		RS485-Modbus (CAN bus between battery units)	RS485	RS485
Cabinet rack size		19" 2U	19" 3.5U (appr.)	19" 4.5U (appr.)
Dimensions		W483(446) H87.5 D550(460.5) mm³	W483(446) H162 D550(460.5) mm	W483(446) H200 D550(460.5) mm
Protection level		IP20	IP20	IP20
Weight		39.6 kg	58 kg	Appr. 80 kg
Standard (Max) charge voltage		54.0 V (54.75V)	54.0 V (54.75V)	54.0 V (54.75V)
Maximum charge current		50 A	50 A	50 A
Charge current limit function		10 A	10 A	10 A
Maximum discharge current		100 A	100 A	100 A
End of discharge voltage		40.5 V	40.5 V	40.5 V
Charge temperature		0°C to +55°C	0°C to +55°C	0°C to +55°C
Discharge temperature		-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Storage temperature		-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Standards	CB	IEC/EN 62368-1, IEC/EN 62619	IEC/EN 62368-1, IEC/EN 62619	IEC/EN 62368-1, IEC/EN 62619
	EMC	ETSI EN 300 386 (<3 m cables)	ETSI EN 300 386 (<3 m cables)	ETSI EN 300 386 (<3 m cables)
	CE	EMC Directive 2014/30/EU	EMC Directive 2014/30/EU	EMC Directive 2014/30/EU
		RoHS Directive 2011/65/EU	RoHS Directive 2011/65/EU	RoHS Directive 2011/65/EU
	Transport	UN38.3	UN38.3	UN38.3

Features...

19-inch design and unique outlook

Easy and safe to install

Easy expansion with auto address assignment during parallel connection of batteries up to 16 units

Long cycle life and service life

Modular fan-free design

Remote real-time monitoring of battery data

Anti-theft feature

Safe and green, environment friendly

Applications...

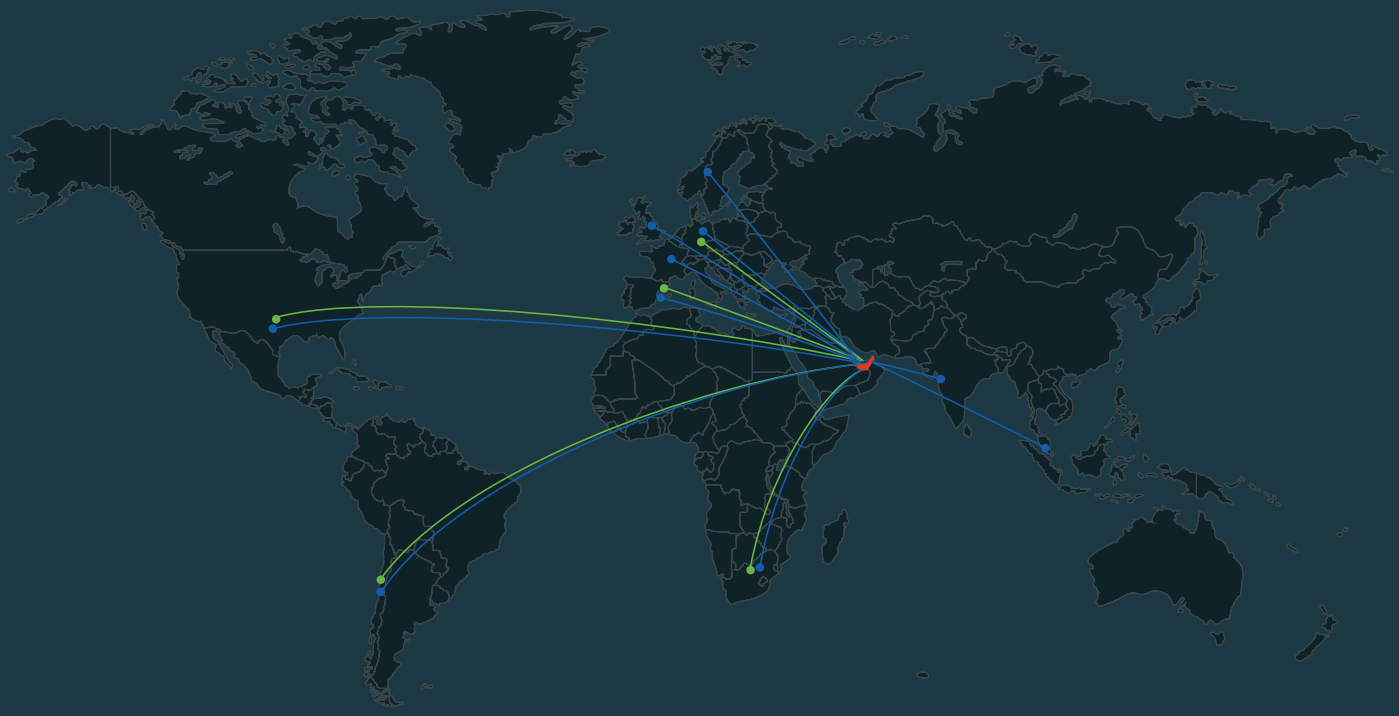
Telecom power systems

Energy storage

Renewable energy

Hybrid power solutions

A global leader in the industrial battery market providing world-class products for Motive Power and Reserve Power applications.



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