



**international
battery®**
when energy matters

48VDC Energy Storage System



IBexus™ Rack Mount Cabinet

International Battery's 48VDC system features high energy prismatic rechargeable Lithium-ion batteries suited for a wide range of energy storage applications. The system uses advanced large format prismatic Lithium-ion cells that provide an excellent combination of instant peak power and operating time. Cells have excellent thermal properties.

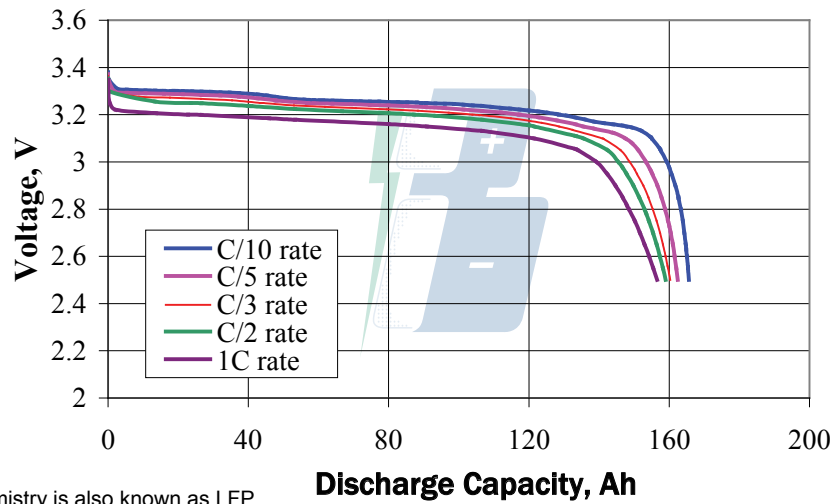
- Features:** High Energy Density, Long Cycle Life, Modular & Scalable
Applications: Diurnal Smoothing, Time Shifting, Renewables, Residential & Light Commercial, Smart Grid, Telecom, UPS

IB 48VDC 016 ESS 160Ah(16 cell, 2 drawer) and IB 48VDC 032 ESS 320Ah(32 cell, 4 drawer) Lithium Iron Phosphate						
SPECIFICATIONS	Number of Cells	16 cell	32 cell	Nominal Capacity	160Ah	320Ah*
	Min. System Voltage	40VDC		Nominal Energy	8.2 kWh	16.4kWh
	Max System Voltage	57.6VDC		Continuous Power	16.2 kW	32.8 kW
	Nominal System Voltage	51.2VDC		Pulse Power	40.5 kW	82kW
	Continuous Discharge Current	160A(1C)	320A(1C)	Self Discharge Rate	<3% monthly at room temperature	
	Peak Discharge Current, 30 sec.				800A	1600A
	Nominal Charge Time @ C/2 (100% DOD)				2 hrs @ 80A	2 hrs @ 160A
	System Weight				320 lbs	673 lbs
	Dimensions 160Ah ESS				24"Lx39"Hx 24"W	
	Dimensions 320Ah ESS				24"Lx60"Hx32"W	
	Cycle Life @ 25°C, 100% DOD				> 2000 cycles	
	System Operating Temperature				Charge: 0°C to 50°C Discharge: -10°C to 60°C	
	BMS FEATURES	<ul style="list-style-type: none"> • Fully integrated Battery Management System. • Monitoring of system current and individual cell's voltage and temperature. • Active cell balancing. • CAN (including J-1939), RS232, RS485. • System protection features. • Cell Fault diagnostics. • System parameter setup via GUI and data logging capability. • System output includes State of Charge (SOC), State of Health (SOH) and other data. 				

* Consult factory for other Ah models and add-on modules. Consult factory for inverter and charger recommendations.

Cell Discharge Characteristics

Discharge Characteristics For IB-B-FHE-160 at 23°C



IBexus™ 19" platform offers modular and scalable modules which connect to a main control module.

Rack Enclosures available



Control Module
5.2"H x 19"W x 18"D



Battery Module
12.2"H x 19"W x 18"D

IB 48VDC 032 ESS 160 FHE SX SS F DFB SP (shown)



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001:2008



Transport
Certified



Made In USA

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