

# COMMERCIAL - R RANGE

## IES BATT 160R



### Overview

Indoor battery rack with IP20 protection level, inbuilt lithium-ion battery and BMS



### Safe & Reliable

Self-developed 2-level / 3-level BMS, complex protection



### Easy Installation & Maintenance

Local and remote management, standard rack and module design, front maintenance



### Quick Commissioning

Long cycle life, 8000 cycles



### Cell Balancing Technology

Advanced cell balancing



### High Density

High capacity LFP battery

INFINITE | ENERGY | STORAGE

[www.ies.co.za](http://www.ies.co.za) | 021 773 0203 | [support@ies.co.za](mailto:support@ies.co.za) | 066 225 4717

High Voltage Range		IES-BATT-160R
Battery Module (Wh/V)	16.076 kWh, 51.2 V, 113.2 Kg (249.56 lbs)	
Number of Modules	10	
Cell Technology	LFP (LiFePO4)	
Battery Usable Energy [1]	160.768 kWh	
Nominal Voltage	512 V	
Operating Voltage	448 - 561.6 V	
Nominal Output Current	157 A / 314 A	
COMMUNICATION		
Display	LED Indicator, LCD Display	
Communication	Ethernet / CAN / RS485 / Wi-Fi / LAN	
GENERAL SPECIFICATION		
Dimension (W*D*H)	1142 × 840 × 1776 mm   44.9 × 33.1 × 69.9 inch	
Weight	1382 kg (3046 lbs)	
Operating Temperature [2]	-20°C to 60°C (-4°F to 140°F)	
Environmental Humidity	≤ 95% RH (No Condensation)	
Protection Rating	IP20	
Cycle Life [3]	8 000 Cycles or Ten (10) Years @ 80% DOD / 25°C / 0.5C, 70% EOL	
Scalability	Version 4: 30 in Parallel	
Application	On Grid / On Grid + Backup / Off Grid	
STANDARD COMPLIANCE		
Compliance	Cell: UN38.3 / IEC62619 / UL 1642 / JET    Pack: UN38.3 / IEC62619 / IEC61000	
COMPATIBLE PCS INVERTER BRANDS		
MegaRevo: MEGA/MPS 0030 & MEGA/MPS 0050 & MEGA/MPS 0100 & MEGA/MPS 0150 & MEGA/MPS 0250 / Atess: HPS Range / 50kW: Sunsynk / Deye / Solis		

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

[2] Charge/discharge derating occurs when the temperature is below 0°C or above 45°C.

[3] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.