

COMMERCIAL - R RANGE

IES BATT 144R



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 | 021 773 0203 | support@ies.co.za | 066 225 4717

High Voltage Range		IES-BATT-144R
Battery Module (Wh/V)	16.076 kWh, 51.2 V, 113.2 Kg (249.56 lbs)	
Number of Modules	9	
Cell Technology	LFP (LiFePO4)	
Battery Usable Energy [1]	144.691 kWh	
Nominal Voltage	460.8 V	
Operating Voltage	403.2 - 505.44 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	1268 kg (2797 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 / 50kW: Sunsynk / Deye / Solplanet / Solis / Ateess: HPS Range		

[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.