

COMMERCIAL - R RANGE

IES BATT 143R



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

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High Voltage Range		IES-BATT-143R	
Battery Module (Wh/V)	14.336 kWh, 51.2 V, 110 kg (242.5 lbs)		
Number of Modules	10		
Cell Technology	LFP (LiFePO4)		
Battery Usable Energy [1]	143.36 kWh		
Nominal Voltage	512 V		
Operating Voltage	448 V - 561.6 V		
Nominal Output Current	140 A / 280 A		
COMMUNICATION			
Display	SOC Status Indicator, LED Indicator, LCD Display		
Communication	Ethernet / CAN / RS485		
GENERAL SPECIFICATION			
Dimension (W*D*H)	1164 x 840 x 1776 mm 45.8 x 33.1 x 69.9 inch		
Weight	1350 kg (2976 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 3: 14 in Parallel 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 operating temperature from -10°C to 5°C & 45°C to 55°C.

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

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