

COMMERCIAL - R RANGE

IES BATT 143R



More Usable Energy

Indoor Battery Rack With Ip20 Protection Level, Inbuild Lithium-ion Battery & Bms



Safe & Reliable

Self-developed 2-level / 3-level BMS, Complex Protection



Easy Installation & Maintenance

Local & Remote Management, Standard Rack & Module Design, Front Maintenance



Quick Commissioning

Long Cycle Life, 8000 Cycles



Cell Balancing Technology

Advanced Cell Balancing



High Density

High Capacity LFP Battery

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	448V - 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 to 60°C (-4 to 140°F)	
Environmental Humidity	≤ 95%RH (No Condensation)	
Protection Rating	IP 20	
Cycle Life [3]	8000 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		
143R: MegaRevo: MPS 0030 & MPS 0050 & MPS 0100 & MPS 0150 & MPS 0250 / Ateess: 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.