COMMERCIAL - R RANGE
IES BATT 172R

Overview
Indoor battery rack with IP20 protection level, inbuild 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

High Voltage Range	IES-BATT-172R
Battery Module (Wh/V)	14.336 kWh, 51.2 V, 110 kg (242.5 lbs)
Number of Modules	12
Cell Technology	LFP (LiFePO4)
Battery Usable Energy [1]	172.032 kWh
Nominal Voltage	614.4 V
Operating Voltage	537.6 V - 673.92 V
Nominal Output Current	140 A / 280 A

COMMUNICATION	
Display	SOC Status Indicator, LED Indicator, LCD Display
Communication	Ethernet / CAN / RS485

GENERAL SPECFICATION	
Dimension (W*D*H)	1164 x 840 x 2050 mm | 45.8 x 33.1 x 80.7 inch
Weight	1650 kg (3637 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℃ / 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 & MEGA/MPS 0500
Atess: PCS 50 & PCS 100 & PCS 250 / **50kW:** Sunsynk / Deye / Solis

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] Charge/discharge derating occurs when the operating temperature from -10℃ to 5℃ & 45℃ to 55℃.
[3] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.