

COMMERCIAL - R RANGE

IES BATT 229R



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-229R	
Battery Module (Wh/V)	14.336 kWh, 51.2 V, 110 kg (242.5 lbs)		
Number of Modules	16		
Cell Technology	LFP (LiFePO4)		
Battery Usable Energy [1]	229.376 kWh		
Nominal Voltage	819.2 V		
Operating Voltage	716.8 V - 898.56 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)	1721 x 840 x 1776 mm 67.8 x 33.1 x 69.9 inch		
Weight	2090 kg (4608 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			
Atess: PCS 500 & PCS 630			

[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.