

# COMMERCIAL - R RANGE

## IES BATT 114R



### 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-114R
Battery Module (Wh/V)	14.336 kWh, 51.2 V, 110 kg (242.5 lbs)	
Number of Modules	8	
Cell Technology	LFP (LiFePO4)	
Battery Usable Energy [1]	114.688 kWh	
Nominal Voltage	409.6 V	
Operating Voltage	358.4 V - 449.28 V	
Nominal Output Current	140 A / 280 A	
COMMUNICATION		
Display	LED Indicator, HMI 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	1130 kg (2491 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 / 50kW: Sunsynk / Deye / Atess / Solplanet / 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.