Model

IES-BATT-114R



[Overview]

Indoor battery rack with IP20 protection level, inbuild lithium-ion battery and BMS

[Easy Installation And Maintenance]

Local and remote management, standard rack&module design, front maintenance

[Safety & Reliable]

Self-developed 2-level / 3-level BMS, complex protection, safe and reliable

[High Density]

LP high-capacity Li-ion battery with aluminum shell, over 130wh/kg

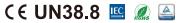
[Long Lifespan]

Long cycle life, 8000 cycles *

[Cell Balancing Technology]

Active cell balancing and passive cell balancing











DATASHEET

Model	IES-BATT-114R	
Performance		
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	364.8-449.28 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)	1164x840x1776 mm	
	45.8x33.1x69.9 inch	
Weight	1130kg (2491lbs)	
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 @ 80% DOD / 25°C / 0.5C, 70% EOL	
Scalability	Yes	
Application	ON Grid / ON Grid + Backup / OFF grid	
Compatible PCS	Refer to compatible PCS list	

Standard Compliance	
	Cell: UN38.3 / IEC62619 / UL 1642 / JET
Certificates	Pack: UN38.3 / IEC62619 / IEC61000
	System: UL 9540 (More available upon request)

Ordering and Deliverable Part		
	IES-BATT-14.3P-F-OT	
Part	IES-BATT-BCU-114H1-OT	
	IES-BATT-R12	









^[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 $^{\circ}$ C to 5° C & 45° C to 55° C [3] Condition apply. Refer to Warranty Letter