

Model

IES-BATT-229R



[ Overview ]

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

[ Easy Installation and Maintenance ]

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

[ Safe & Reliable ]

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

[ High Density ]

High capacity LFP battery

[ Long Lifespan ]

Long cycle life, 8000 cycles \*

[ Cell Balancing Technology ]

Advanced cell balancing

## DATASHEET

<b>Model</b>	<b>IES-BATT-229R</b>
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### Performance

<b>Battery module (Wh/V)</b>	14.336 kWh, 51.2 V, 110 kg (242.5 lbs)
<b>Number of modules</b>	16
<b>Cell technology</b>	LFP (LiFePO4)
<b>Battery usable energy [1]</b>	229.376 kWh
<b>Nominal voltage</b>	819.2 V
<b>Operating voltage</b>	716.8 - 898.56 V
<b>Nominal output current</b>	140 A / 280 A

### Communication

<b>Display</b>	SOC status indicator, LED indicator, LCD display
<b>Communication</b>	Ethernet / CAN / RS485

### General Specification

<b>Dimension (W*D*H)</b>	1721x840x1776 mm 67.8x33.1x69.9 inch
<b>Weight</b>	2090 kg (4608 lbs)
<b>Operating temperature [2]</b>	-20 to 60 °C (-4 to 140 °F)
<b>Environmental humidity</b>	≤ 95%RH (No condensation)
<b>Protection rating</b>	IP 20
<b>Cycle life [3]</b>	8000 Cycles or ten (10) years @ 80% DOD / 25°C / 0.5C, 70% EOL
<b>Scalability</b>	Yes
<b>Application</b>	ON Grid / ON Grid + Backup / OFF grid
<b>Compatible PCS</b>	Refer to compatible PCS list

### Standard Compliance

	Cell: UN38.3 / IEC62619 / UL 1642 / JET
	Pack: UN38.3 / IEC62619 / IEC61000

### Ordering and Deliverable Part

<b>Part</b>	IES-BATT-14.3P-F-QC
	IES-BCU-M-229H1-QC
	IES-R18

[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.