

**Model**

**IES-BATT-14.33**



**[ More Usable Energy ]**

100% Depth of Discharge

**[ Flexible Investment ]**

Up to 15 units in parallel

**[ Safe & Reliable ]**

Premium Lithium Iron Phosphate(LFP)  
8000 cycles

**[ Easy Installation ]**

Floor Stand or Wall Mounted

**[ Quick Commissioning ]**

One Button ON/OFF  
Automatic ID Assignment

**[ Perfect Compatibility ]**

Compatible with Major PCS Brands

**CE UN38.8**



  
**IES**  
INFINITE | ENERGY | STORAGE

## DATASHEET

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### Performance

Cell technology	LFP (LiFePO <sub>4</sub> )
Battery usable energy [1]	14.33 kWh
Nominal voltage	51.2 V
Operating voltage	45.6 – 56.16 V
Nominal output current	140 A / 280 A
BMS protection current	600 A, 300 $\mu$ s

### Communication

Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232 / Wi-Fi

### General Specification

Dimension (W*D*H)	800×250×849 mm
	31.5×9.8×33.4 inch
Weight	130 kg (287 lbs)
Installation	Floor stand or Wall mounted
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	Max 15 batteries in parallel
Application	ON Grid / ON Grid + Backup / OFF grid
Compatible inverters	Refer to compatible inverter list (Compatible with major PCS brands)

### Standard Compliance

Certificates	Cell: UN38.3 / IEC62619 / UL 1642 / JET
	Battery pack: UN38.3 / IEC62619 / IEC61000 / UKCA (More available upon request)

### Ordering and Deliverable Part

Part	IES-BATT-14.33 Battery
	IES-BATT-14.33 Parallel cable
	IES-BATT-14.33 to PCS cable

[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.