

# COMMERCIAL - R RANGE

## IES BATT 128R



### 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-128R |  |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------|--|
| Battery Module (Wh/V)                                                                                  | 16.076 kWh, 51.2 V, 113.2 Kg (249.56 lbs)                                       |               |  |
| Number of Modules                                                                                      | 8                                                                               |               |  |
| Cell Technology                                                                                        | LFP (LiFePO4)                                                                   |               |  |
| Battery Usable Energy [1]                                                                              | 128.614 kWh                                                                     |               |  |
| Nominal Voltage                                                                                        | 409.6 V                                                                         |               |  |
| Operating Voltage                                                                                      | 358.4 V - 449.28 V                                                              |               |  |
| Nominal Output Current                                                                                 | 157 A / 314 A                                                                   |               |  |
| COMMUNICATION                                                                                          |                                                                                 |               |  |
| Display                                                                                                | LED Indicator, LCD Display                                                      |               |  |
| Communication                                                                                          | Ethernet / CAN / RS485 / Wi-Fi / LAN                                            |               |  |
| GENERAL SPECIFICATION                                                                                  |                                                                                 |               |  |
| Dimension (W*D*H)                                                                                      | 1142 × 840 × 1776 mm   44.9 × 33.1 × 69.9 inch                                  |               |  |
| Weight                                                                                                 | 1155 kg (2547 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 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 / Solplanet / Solis / Ateess: HPS Range |                                                                                 |               |  |

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

[2] Charge/discharge derating occurs when the temperature is below 0°C or above 45°C.

[3] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.

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