



# THE POWER BEHIND RENEWABLE ENERGY

Honeywell Battery Energy Storage Systems

**Honeywell**

**EVERYONE WINS WHEN BATTERY ENERGY STORAGE SYSTEMS (BESS) ARE ADDED TO RENEWABLE ENERGY SITES, WITHIN TRANSMISSION AND DISTRIBUTION NETWORKS, AND BEHIND THE METER IN COMMERCIAL AND INDUSTRIAL FACILITIES.**

Introducing Battery Energy Storage Systems from Honeywell. On their most basic level, these solutions store large amounts of electrical energy for use when needed. On their most sophisticated level, they expand control, reduce costs, and create revenue streams.

The results are increased revenue, greater grid stability and the ability to meet peak demands without straining your electrical system.



ITEM	SPECIFICATION
Commercial & Industrial Use Cases	Peak Shaving Load Shifting Demand Charge Reduction Time-of-use Management Energy Arbitrage Maximizing Renewables Back-Up Power Black-Start Islanding/Anti-Islanding Power Quality & Power Smoothing Ancillary Services
Independent Power Producer Use Cases	Congestion Relief Frequency Support Voltage Support Spinning / Non-Spinning Reserve
Utility Use Cases	Transmission Deferral Congestion Relief Distribution Deferral Resource Adequacy Frequency Support Voltage Support Spinning / Non-Spinning Reserve
Battery Chemistry	Lithium Iron Phosphate (LFP)
Usable Energy	500 to 4900 kWh
Rated Power	500 to 2100 kW
DC Voltage Range	< 1,500 VDC
AC Voltage	380-690V
Depth of Discharge (DOD)	100%
DC Round Trip Efficiency [4-hour rating]	98%
Availability <sup>1</sup>	97%
Weight	72,000 lbs / 32,660 kg
Dimension	40' L x 8' W x 6' 7" H (20' available)
Altitude	3000 m. Above 3000 m power use reduction is required.
Enclosure IP Rating	IP54 (IP65 optional)
Battery Management System (BMS)	3 levels of safety at cell, module and rack
Energy Management System (EMS)	Included
Communications Interface	Modbus RTU, Modbus TCP, DNP3
Cooling	Forced air HVAC, Liquid cooling (optional)
Ambient Temperature Range	-30 °C to + 50 °C
Fire Suppression	Aerosol-based
Water Ingress Detection	Included
Battery off-gas monitoring	Optional
Codes & Standards Compliance <sup>2</sup>	UL 9540/9540A, 1973, 1741 IEC 62619, IFC 2018

**For more information**

To learn more about Honeywell Battery Energy Storage Systems, contact your Honeywell sales representative or visit <http://hwl.co/RenewableEnergy>

**Honeywell Process Solutions**

2101 CityWest Boulevard  
Houston, TX 77042  
Honeywell House, Arlington Business Park  
Bracknell, Berkshire, England RG12 1EB UK.

Shanghai City Centre, 100 Zunyi Road  
Shanghai, China 200051

1. System availability accounts for inverter uptime and excused downtime defined in the Long Term Service Agreement.
2. Current and expected.

**THE  
FUTURE  
IS  
WHAT  
WE  
MAKE IT**

