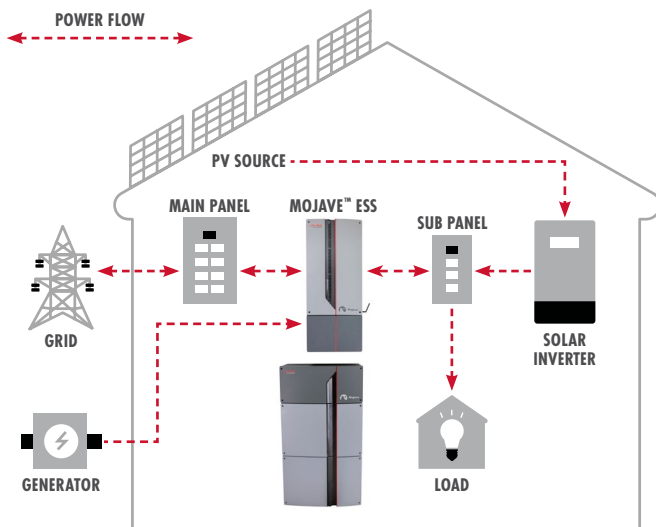


# Mojave™

## Lithium Energy Storage System



- Be ready for anything with off-grid capability
- Easily start motors and compressors commonly found in freezers and HVAC systems, outpacing other energy storage systems
- Seamlessly AC-couple with UL 1741-SA listed grid-tied inverters up to 8kW for easy addition to existing solar PV systems
- Takes up just two square feet of floor space and fits between most garage doors and their side walls
- Connect to the intuitive user interface via integrated Wi-Fi hotspot and a smartphone, tablet or laptop
- Access OPTICS RE™ system monitoring via Ethernet or Wi-Fi internet connection
- Easily add a generator or other secondary AC source
- Quickly and easily install with mounting plate and roomy integrated wiring compartment
- Financing options available: [outbackpower.com/financing](http://outbackpower.com/financing)



### The Mojave™ platform combines the latest power electronics and control technology with the old-school muscle and practical features that define OutBack Power™.

The Mojave™ Energy Storage System (ESS) continues the impressive legacy of robust off-grid and grid-hybrid performance for which OutBack Power's FX, FXR and Radian platforms are well known. But it doesn't stop there. The Mojave™ ESS includes the battery and integrated controls and communications for faster, clutter-free installation.

The Mojave™ Lithium ESS comes ready to AC-couple with most grid-tied inverters. It's the easy way to add the economic and resilience benefits of energy storage to existing residential PV systems.

On-grid or off, be ready for anything.

# Mojave™ Lithium Energy Storage System Specifications

Model: OGHES8015A

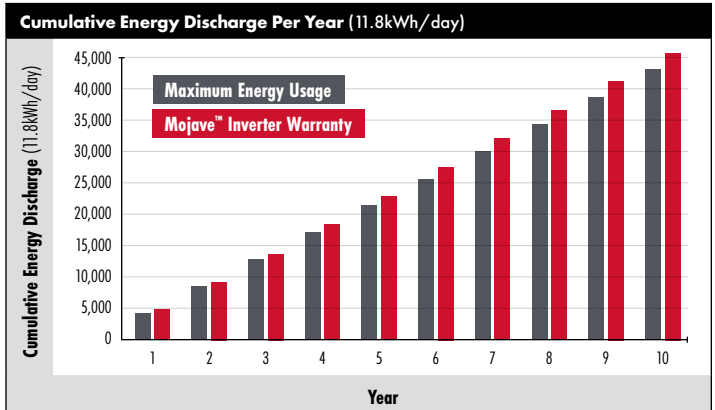
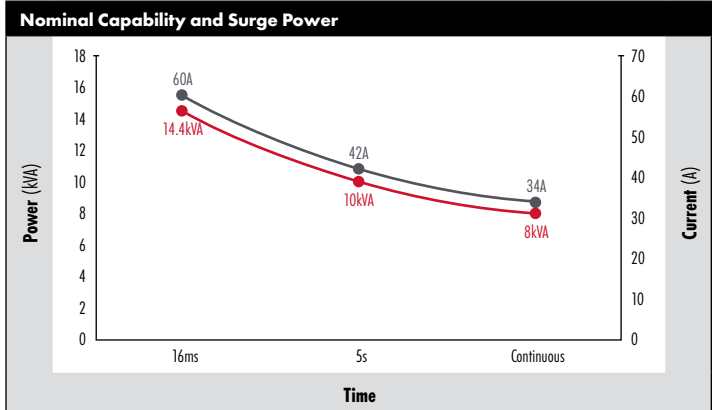
Grid Interactivity	
<b>Supported Operating Modes:</b>	Immediate battery backup power, grid support (UL 1741 SA), net metering, non-export, off-grid, maximum independence
<b>Islanding Protection:</b>	Yes – IEEE 1547 compliant
<b>Supported Interconnection Standards:</b>	IEEE 1547-2003, IEEE 1547.1-2005
<b>Grid Interconnection Standards:</b>	HECO Rule 14H v2.0 SRD, CA Rule 21b Phase 1, 2, and Functions 1 and 8 of Phase 3, and PREPA
<b>External Transfer Switch:</b>	Mojave™ inverter utilizes built-in transfer switch, no external Auto Transfer Switch (ATS) required

Inverter	
<b>AC Voltage:</b>	120/240VAC (split-phase)
<b>AC Frequency:</b>	60Hz
<b>Max Peak/Continuous AC Output Power without Mojave™ or EnergyCell™ Battery:</b>	10000VA / 8000VA (derate above 40°C), compatible EnerSys® battery required
<b>Max Peak/Continuous AC Output Power without External Transfer Switch:</b>	10000VA / 8000VA (derate above 40°C), compatible EnerSys® battery required
<b>Peak Motor Starting Current:</b>	60A at 240VAC (14.4kVA) for 32ms, 60A continues at lower voltage until motor starts
<b>Max Peak/Continuous Output Current:</b>	42A / 34A
<b>Total Harmonic Distortion:</b>	<b>Typical:</b> <2%   <b>Max:</b> <5%
<b>Power Factor at Rated Power:</b>	1
<b>Idle Power:</b>	<b>Invert Mode, No Load:</b> 100W   <b>Idle:</b> 10W
<b>AC Coupling:</b>	Up to 8kW
<b>Ground Fault Isolation Detection:</b>	Included / yes
<b>Charge Battery from AC:</b>	Yes
<b>Maximum Split Phase Imbalance:</b>	3.96kVA (33A at 120V)

Battery	
<b>Capacity Nameplate/Usable:</b>	14.8kWh / 11.8kWh usable (80% of 14.8kWh)
<b>Reserve and Recovery Battery Capacity:</b>	3kWh of 14.8kWh
<b>Nominal Battery Voltage:</b>	48 to 55.9V
<b>Battery Voltage Range:</b>	40 to 64VDC
<b>Max Charging Current Peak/Continuous:</b>	200A
<b>Max Discharge Current Peak/Continuous:</b>	200A
<b>Integrated DC Disconnect Rating:</b>	250A
<b>Scalability:</b>	One Mojave™ inverter to one Mojave battery
<b>Battery Chemistry:</b>	Lithium Nickel Manganese Cobalt (NMC)
<b>Battery Capacity (State of Health) at End of Warranty Period:</b>	80%
<b>Resolution of Measurement of Battery Voltage:</b>	0.1V

Mechanical	
<b>Weight (lb/kg):</b>	<b>Inverter:</b> 133 / 60 <b>Battery:</b> 455 / 260 <b>Shipping:</b> 688 / 308
<b>Dimensions W × H × D (in/mm):</b>	<b>Inverter:</b> 16 × 38 × 11.25 / 406 × 965 × 286 <b>Battery:</b> 24 × 44 × 12.25 / 610 × 1118 × 311 <b>Shipping:</b> 40 × 51 × 48 / 1016 × 1295 × 1219
<b>Chassis Type:</b>	Indoor-only, vented, NEMA 1, IP2X
<b>Cooling:</b>	Forced air convection

Additional Features	
<b>Listings/Certifications:</b>	UL 1741 SA, CSA 22.2 No. 107.1, IEEE 1547-2003, IEEE 1547.1-2005
<b>RoHS:</b>	Yes, directive 2011/65/EU
<b>Operating Temperature Range:</b>	-4 to 122°F (-20 to 50°C)
<b>Warranty Duration:</b>	10 years or 46Mwh
<b>Field-Upgradeable Firmware:</b>	Yes, internet (default), local Wi-Fi, Ethernet or USB
<b>EM Radiation Immunity:</b>	20V/m
<b>Supported Communications Interfaces:</b>	CAN with Mojave™ ESS product only
<b>System Monitoring:</b>	OPTICS RE™ for Mojave™ ESS connected to the internet
<b>System Setup:</b>	Mojave™ ESS setup page via Mojave™ Wi-Fi hotspot (computer or mobile device not provided)
<b>Disconnect Breaker for Backup Loads:</b>	Built-in 50A circuit breaker
<b>Inverter Bypass Switch:</b>	Automatic



**For OutBack Power™ product questions and additional information please contact us:**

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