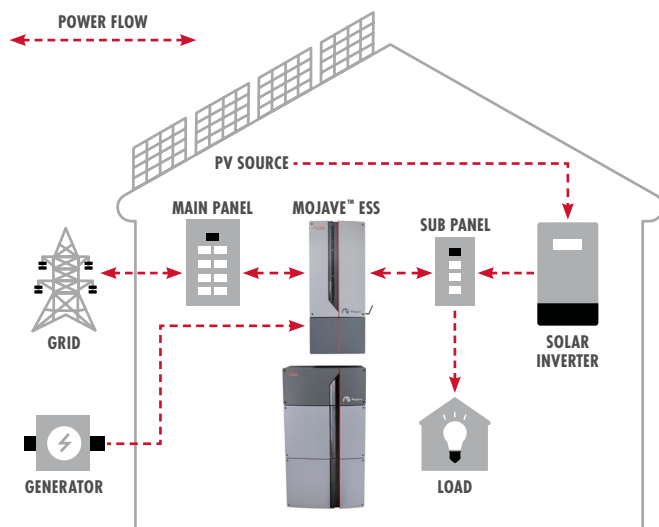


Mojave™

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



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: OGHESS8015A

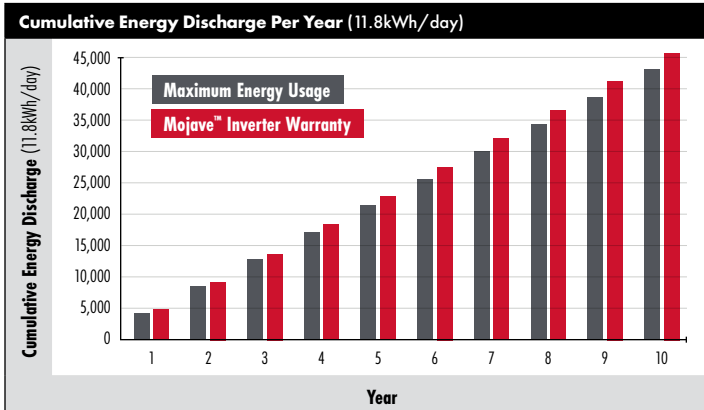
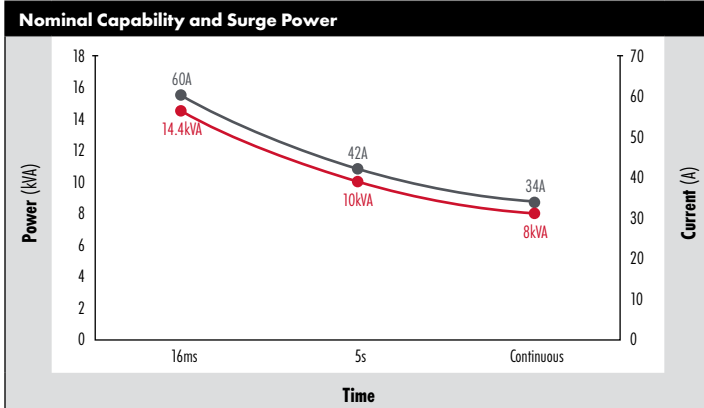
Grid Interactivity	
Supported Operating Modes:	Immediate battery backup power, grid support (UL 1741 SA), net metering, non-export, off-grid, maximum independence
Islanding Protection:	Yes – IEEE 1547 compliant
Supported Interconnection Standards:	IEEE 1547-2003, IEEE 1547.1-2005
Grid Interconnection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

Inverter	
AC Voltage:	120/240VAC (split-phase)
AC Frequency:	60Hz
Max Peak/Continuous AC Output Power without Mojave™ or EnergyCell™ Battery:	10000VA / 8000VA (derate above 40°C), compatible EnerSys® battery required
Max Peak/Continuous AC Output Power without External Transfer Switch:	10000VA / 8000VA (derate above 40°C), compatible EnerSys® battery required
Peak Motor Starting Current:	60A at 240VAC (14.4kVA) for 32ms, 60A continues at lower voltage until motor starts
Max Peak/Continuous Output Current:	42A / 34A
Total Harmonic Distortion:	Typical: <2% Max: <5%
Power Factor at Rated Power:	1
Idle Power:	Invert Mode, No Load: 100W Idle: 10W
AC Coupling:	Up to 8kW
Ground Fault Isolation Detection:	Included / yes
Charge Battery from AC:	Yes
Maximum Split Phase Imbalance:	3.960kVA (33A at 120V)

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

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

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



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

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