



EAGLE STORAGE



EAGLE RS

7.6kW/26.2kWh

RESIDENTIAL ENERGY STORAGE SYSTEM

- NYSE-listed since 2010
- Global renewable energy leader
- Dedicated energy storage R&D
- More than 300 employees in the U.S.



Outdoor-Rated

System IP55/66 and NEMA 4X rated



Flexible Installation

Separate cabinets allow flexibility; floor or wall mount



Best-in-Class Safety

LFP battery chemistry and robust BMS



Wrapped Warranty

Single point of contact for complete solution: hardware and software



Responsive Service

Local engineering and live service support



Intelligent U.S.-based EMS

Secure data with real-time optimization and monitoring

Battery Type	Lithium Iron Phosphate (LFP)
Application Modes	Backup, Self Consumption, Time of Use
Transfer Switch Type	Automatic Integrated
Monitoring	Web and Mobile app
Warranty	10 year system warranty
Rapid Shutdown	Tigo Transmitter



Monitor your Eagle Storage system on our app
Compatible with iOS and Android



SYSTEM SPECIFICATIONS

GRID-TIE MODE

Solar + Storage Operation	DC Coupled
Total Battery Capacity	26.2kWh
Nominal Power Rating	7.6kW
Continuous AC Output Current	32A
AC Grid Voltage	120/240V
AC Frequency	60Hz
Usable Capacity (95% DOD)	24.15kWh

BACKUP MODE

Nominal AC Output Current 240Vac	25A
Nominal AC Output Current 120Vac	48A
Surge Power Rating (10s)	8.1kVA
Surge AC Output Current (10s)	30A at 240V
AC Grid Voltage	120/240V
AC Frequency	60Hz
Transfer Switchover Time	<70ms
Inverter Configuration	7kVA
Battery Configuration	2 x 13.2kWh
CEC Round Trip Efficiency	89.5% (pending)

BATTERY SPECIFICATIONS

Rated Capacity	26.2 kWh (64Ah)
Nominal Voltage	410V
Max. Charge/Discharge Current	10A @ -10°C – 0°C 16A @ >0°C – 50°C
Max. Charge/Discharge Power	7kW/7kW
Depth of Discharge (DOD)	95%
Rated Continuous Charge /Discharge Power	6kW
Limited Warranty	10 years, 81 Mwh throughput
Operating Temperature	-10°C to +50°C
Storage Temperature	-30°C ~ 60°C/7 days -20°C ~ 45°C/6 months
Size (HxWxD)	48.2x42.1x8.2in (x2)
Device Weight	372 lbs (x2)
Installation Method	Floor/Wall-Mounted
Protection Rating	NEMA 4X/IP55

INVERTER SPECIFICATIONS

AC OUTPUT

Rated Output Power	7.6kW
Max. Output Power	7.6kW
Rated Output Current	29.1A
Max. Output Current	32A
Output Voltage	120/240Vac (split phase)
Output Frequency	60Hz
Current Harmonics	THD<3%

BATTERY INTERFACE

Rated Power	7kW
Rated Voltage	500V
Voltage Range	120-500V
Max. Charge/Discharge Current	10A @ -10°C – 0°C 16A @ >0°C – 50°C

PV INPUT:

Recommended Max. PV Power	10600 W
Max. Input Voltage	500V
Rated Voltage	330V
Start-Up Voltage	120V
MPPT Voltage Range	90-450V
Max. Input Current	26A/26A
Max. Short Circuit Current	40A/40A
MPPT Number/Max. Input Strings Number	2/4

GENERAL INVERTER SPECIFICATIONS

Weighted CEC Efficiency	97.5%
Peak CEC Efficiency	98.0%
Operating Temperature	-25°C to +60C, >50°C Derating
Cooling Mode	Natural Convection
Size (HxWxD)	28.1x20.2x8.2in
Weight	66 lbs
Installation Method	Wall-Mounted
Protection Rating	IP66
Noise	<30dB
Communication Interface	RS485/CAN

CERTIFICATES AND APPROVALS

- UL9540*
- UL1741 SA
- Rule 21 phase III
- IEEE 1547-2003(R2008)
- IEEE 1547a-2014
- UL1699B
- FCC 15 Class B
- IEC62619
- UL1973
- UL1642
- UN38.3

*certificate pending

Complete list available upon request

