

7.6kW/19.2kWh

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 IP65/66 and NEMA 4X rated



Flexible Installation

Separate cabinets allow flexibility



Best-in-Class Safety

LFP battery chemistry and robust BMS



Wrapped Warranty

Single point of contact for complete solution: solar + storage



U.S.-Based Customer Service

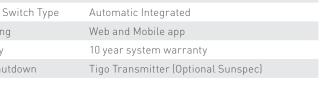
Local engineering and live service support



Monitoring App

Secure data with real-time optimization and monitoring

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











S T O R A G E EAGLE® RS | 7.6kW/19.2kWh | RESIDENTIAL ENERGY STORAGE SYSTEM

SYSTEM SPECIFICATIONS

STSTEM STEOM TOATTONS			
MODEL NUMBER	JKS-R-7S31-US19.20-5P		
GRID-TIE MODE			
Solar + Storage Operation	AC or DC Coupled		
Total Battery Capacity	19.2kWh (50Ah)		
Nominal Power Rating	7.6kW		
Continuous AC Output Current	31.7A		
AC Grid Voltage	120/240V		
AC Frequency	59.5 to 60Hz		
Usable Capacity (95% DOD)	18.5kWh		
BACKUP MODE			
Nominal AC Output Current 240Vac	31.7A		
Max. Allowable Phase Imbalance	100%		
Surge Power Rating (10s)	12.2kVA		
Surge AC Output Current (10s)	50.7A		
AC Grid Voltage	120/240V		
AC Frequency	55 to 65Hz		
Transfer Switchover Time	<10ms		
Inverter Configuration	7.6kVA		
Battery Configuration	19.2kWh		
CEC Round Trip Efficiency	89.0%		
BATTERY SPECIFICATIONS			
Rated Capacity	19.2kWh (50Ah)		
Nominal Voltage	384V		

DATTENT SPECIFICATIONS			
Rated Capacity	19.2kWh (50Ah)		
Nominal Voltage	384V		
Max. Charge/Discharge Current	25A		
Depth of Discharge (DOD)	95%		
Rated Continuous Charge /Discharge Power	7.6kW/7.6kW		
Limited Warranty	10 years		
Operating Temperature	-20°C to 60°C		
Storage Temperature	-30°C to 60°C/7 days -20°C to 45°C/6 months		
Size (HxWxD)	41.8x24x18.1in		
Device Weight	434 lbs		
Installation Method	Floor Mounted		

INVERTER SPECIFICATIONS

AC OUTPUT			
Rated Output Power	7.6kW		
Max. Output Power	7.6kW		
Rated Output Current	31.7A		
Max. Output Current	31.7A		
Output Voltage	120/240Vac (split phase)		
Output Frequency	59.5 to 60.5Hz		
Current Harmonics	THD<3%		
Weighted CEC Efficiency	97.2%		
Peak CEC Efficiency	97.6%		
Operating Temperature	-25°C to 60C		
Cooling Mode	Natural Convection		
Maximum Altitude	ude 4,000m (13,120ft)		
Size (HxWxD)	26.2x21.9x9.4in		
Weight	74lbs		
Installation Method	Wall-Mounted		
Protection Rating	IP66/NEMA 4X		
Noise	<30dB		
Communication Interface	RS485/CAN		

PV INPUT:

Maximum PV Power	12.8kW
Max. Input Voltage	600V
Rated Voltage	380V
Start-Up Voltage	80V
MPPT Voltage Range	80-520V
Max. Input Current Per String	16A
Max. Short Circuit Current Per String	25.6A
Number of MPPT/Strings per MPPT	4/1

CERTIFICATES AND APPROVALS

U	I 1	741	IS	В

UL1998

Heco Rule 14H

UL1741SA

UL9540

• NEC 690.12-2020

UL1699B

• California Rule 21

• IEEE 1547-2018 • FCC Part15 ClassB • CAN/CSAC22.2107.1-1

