FORTRESS POWER
Secure your energy

US Domestic 211

PRE-CONFIGURED DC/AC COUPLED ENERGY STORAGE SOLUTION FOR COMMERCIAL + INDUSTRIAL APPLICATIONS

40% ITC ELIGIBILITY



ONE SOLUTION FOR ALL

- Load shifting for time-of-use savings
- Microgrid, Backup
- Self-Supply
- Off-Grid
- VPP Scalable Energy Storage Capacity
- Indoor and Outdoor Installation
- Peak shaving for demand charge management

SUPPORTED APPLICATIONS

Grocery & Convenient Stores

Schools, Banks & Hospitals

Manufacturing Plants

Charging Stations & Service Areas

PRODUCT FEATURES

Turnkey Outdoor Energy Storage System

- Pre-configured BESS with inverter(s), LFP battery, BMS & intelligent climate control.
- Integrated STS for resiliency.

Built-in Microgrid Controls

Supports seamless integration with solar PV, diesel generators and grids.

Safe Technology with Multi-level Protection

- Powered by Tier 1 Lithium Iron Phosphate chemistry.
- Advanced BMS for real-time monitoring, balancing & protection.
- High thermal stability and long-term reliability.

Intelligent EMS (Energy Storage System) & Fleet Management

Advanced software deliveries:

- Lower electricity costs, optimized ROI, enhanced system resiliency.
- Remote monitoring, control, and maintenance across your installation portfolio.

Modular, Scalable & Outdoor-Rated

- This outdoor-rated, modular solution can be expanded depending on the energy and power requirement.
- Easily transportable, and pre-assembled battery system, to simplify the installation.

Local Technical Support

Our North America based technical support team is ready to assist you from project design through to final commissioning — ensuring smooth deployment and ongoing success.

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Inverter Specifications

AC (GRID SIDE)	30KW INVERTER	30KW INVERTER	60KW INVERTER
Rated Input Voltage	208 / 220 / 240 Vac 3P4W	480 Vac 3P4W	
Rated Current	72.2 A	36.1 A	72.2 A
Max Current Passthrough	144.4	72.2	144.4 A
Max Discharge/Charge Current	72.2 A	36.1 A	72.2 A
Rated Input Frequency	60 Hz		
Input Frequency Range	55 - 65 Hz		
Grid Power Factor	> 0.99 (0.8 leading ~ 0.8 lagging)		
THDI	≤ 3%		
INPUT - GENERATOR			
Max Output Power	26 / 27.5 / 30 kW	30 kW	60 kW
Max Input Current	72.2 A	36.1 A	72.2
Rated Input Voltage	208 / 220 / 240 Vac 3P4W	480 Vac 3P4W	
Rated Input Frequency	60 Hz		
OUTPUT - AC (BACKUP)			
Rated Output Power	26 / 27.5 / 30 kW	30 kW	60 kW
Max Apparent Output Power	1.6 times of rated power with 2s		
Backup Switch Time	< 10ms		
Rated Output Voltage	208 / 220 / 240 Vac 3P4W	480 Vac 3P4W	
Rated Frequency	60 Hz		
Rated Output Current	72.2 A	36.1 A	72.2
Max Imbalance Power Per Phase	33% rated power		
THDv (@linear load)	< 2%		
PV SIDE PARAMETERS			
Max. usable PV input power	60 kW		100 kW
Rated MPPT Voltage	600 V		
Operating MPPT voltage range (DC)	150 - 850 V		
Maximum Input Voltage (DC)	1000 V		
Start-up Voltage (DC)	180 V		
Full Load MPPT Voltage Range (DC)	500 - 850 V		600 - 850 V
Max. input current per MPPT	3 x 42 A		4 x 42 A
MPPT number/Max. input strings number	3/6		4/8
Max input power per MPPT	25 kW (600 V x 42 A)		

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Battery Specifications

GENERAL SPECS	eSpire Nano Select 120	eSpire Nano Select 150	eSpire Nano Select 180	eSpire Nano Select 211
SN	FP-Nano-C120-O	FP-Nano-C150-O	FP-Nano-C180-O	FP-Nano-C211-O
Rated Capacity (Ah)	314			
Rated Energy (kWh)	120.576	150.72	180.864	211.008
Nominal Voltage (V)	384	480	576	672
System Operating Voltage(V	324–432	405–540	486–648	567-756
Weight (kg)	1517.7	1740.9	1964.1	2200
Dimensions (D×W×H) (mm)	1251.2 × 1577.8 × 2324.0			
Series/Parallel Configuration	4S1P	5S1P	6S1P	7S1P
Total Number of Cells	120	150	180	210
Discharge Current (A)	157			
Scalability (Parallel)	8			
Ingress Rating	IP55			
Operating Temperature	-40°C to 55°C (-40°F to 131°F)			
Certifications	UL9540A, UL1973, UN38.3 | UL9540 DC ESS (Pending)			

Battery Specifications

GENERAL SPECIFICATIONS	
Inverter Efficiency	97.80%
DC-DC Round Trip Efficiency	97.80%
Max Inverter Parallel Numbers	6
Inverter Dimension (W x H x D)	22.04 x 36.61 x 12.60 in (560 x 930 x 320 mm)
Warranty	10 years, 70% Retention with 8000 cycles