

## BUILD A SMARTER BATTERY, NOT A BIGGER BATTERY

Storz Power's Artificial Intelligence (AI) technology enables you to do more with less and be a better steward of utilizing Earth's natural resources.

### SMART

- AI+ technology enables you to do more with less

### SUSTAINABLE

- Reduces the burden on the earth's natural resources
- Produces zero emissions
- Generates and stores energy from the sun

### POWERFUL

- Offers the most powerful whole home battery system on the market
- Empowers you with energy independence
- Enables you to have complete control of how you want to use your energy
- Live with the peace of mind that your home energy is backed up when the power is out



### SAFE

- Lithium-Iron Phosphate (LFP)
- Rigorously tested, UL 1973, UL 9540, UL 9540A
- ETL / Intertek listed, tested, and passed
- Securely power your home even when the grid power is out

### ECONOMICAL

- Reduces power conversion losses
- Reduces materials and labor required for your ESS system
- Increases the life of your investment with our AI+ technology system management and robust warranty

### FLEXIBLE

- AC and DC coupling
- Solar and generator ready
- Stack 1-12 inverters
- Stack 1-14+ batteries in parallel per inverter
- Build a custom package with the AI+ Custom Whole Home solution
- Add extra system components to any package initially or in the future



## PACKAGES

### AI+ 12K.10

#### UP TO 50 AMPS

This is the perfect starter package to power your home essentials in case of an emergency. Power things like your fridge, microwave, lights throughout, garage door, computers, internet router, and fans.



- + 2 Batteries | 10+ kWh
- + 1 Storz Wall Mount Battery Cabinet
- + 1 12K Inverter | 2.5-13 kW PV



### AI+ 12K.15

#### UP TO 70 AMPS

Access more than just your basics and choose where to use your home's power. Power all the energy consuming items in the AI+ 12K.10 package plus the electric oven/range, EV charger, and well pump.



- + 3 Batteries | 15+ kWh
- + 2 Storz Wall Mount Battery Cabinets
- + 1 12K Inverter | 2.5-13 kW PV



### AI+ 15K.15

#### UP TO 200 AMPS

Access power to your entire 200 amp main panel and choose where to use your home's power. Power all the energy consuming items in the AI+ 12K.15 package plus the AC, water heater, and electric washer/dryer. 15K benefits: integrated UPS rated ATS, quicker install, larger solar array.



- + 3 Batteries | 15+ kWh
- + 2 Storz Wall Mount Battery Cabinets
- + 1 15K Inverter | 2.5-19.5 kW PV



### AI+ 15K.20

#### UP TO 200 AMPS

Access power to your entire 200 amp main panel and choose where to use your home's power. Power all the energy consuming items in the AI+ 15K.15 package with expanded energy storage capacity. 15K benefits: integrated UPS rated ATS, quicker install, larger solar array.



- + 4 Batteries | 20+ kWh
- + 2 Storz Wall Mount Battery Cabinets
- + 1 15K Inverter | 2.5-19.5 kW PV



### AI+ 30K.30

#### UP TO 400 AMPS

Access your entire home off-grid or in a blackout with this package. Power all the energy consuming items in the AI+ 15K.20 package plus a pool pump or any other items needed to power in a large home of any size. 15K benefits: integrated UPS rated ATS, quicker install, larger solar array. For expanded custom package solutions, contact your Storz Power representative.



- + 6 Batteries | 30+ kWh
- + 3 Storz Wall Mount Battery Cabinets
- + 2 15K Inverters | 5-39 kW PV

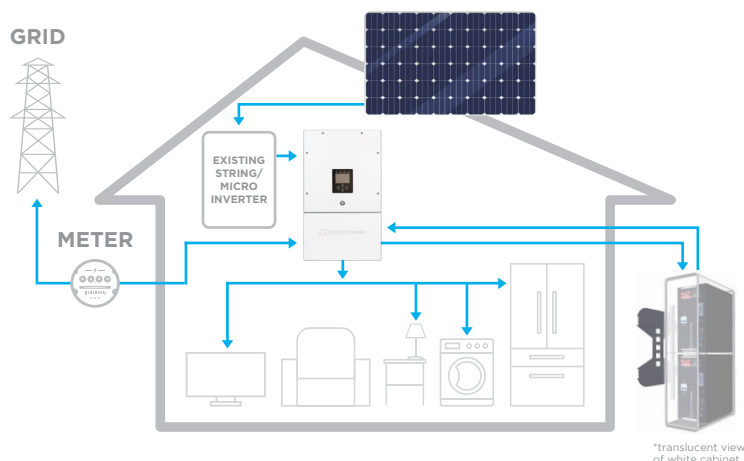
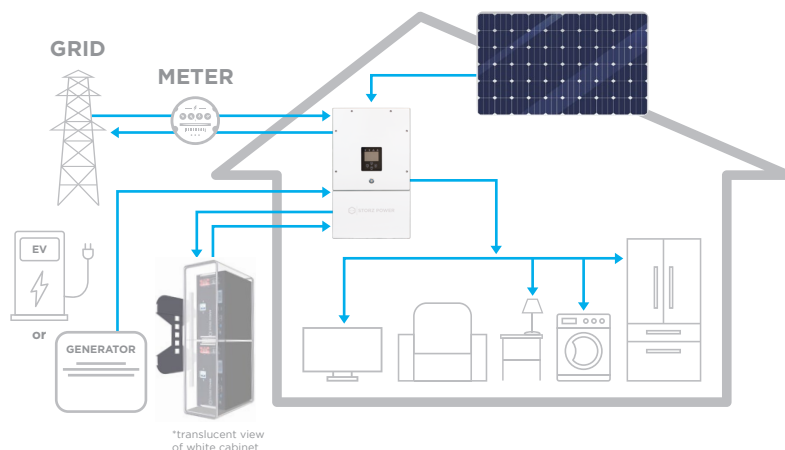


## 3 TYPES OF INSTALL CONFIGURATIONS

### DC COUPLED CONFIGURATION

#### NEW SYSTEM

A DC coupled PV array is when strings of solar panels are directly connected to a battery inverter. When installing a new PV array, the AI+ Storz Power system can be your direct PV solution up to 19.5 kW DC. This reduces cost of additional AC coupled inverters as well as speeds up installation, reducing labor cost, and is able to meet all NEC17 Panel Level Shutdown requirements. This configuration is generator ready.



### AC COUPLED CONFIGURATION

#### EXISTING SYSTEM

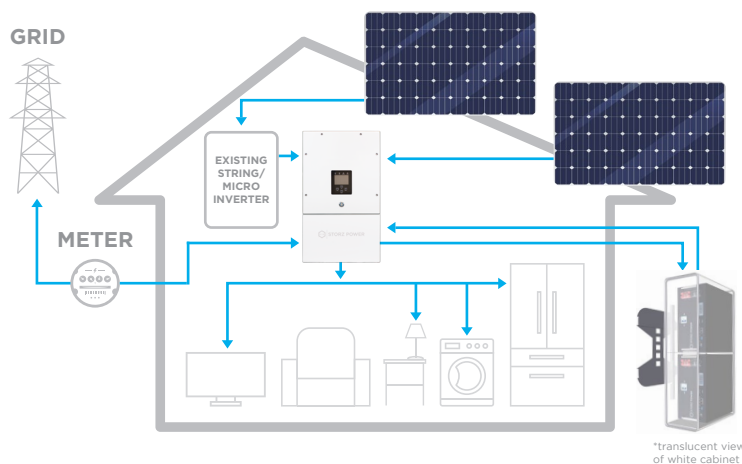
Keep the PV array active as well when the grid fails with Storz Power's energy storage system!

Your existing system could come with many different existing solar or micro inverters. With Storz Power, you can retrofit any system even if it is 10 years old. This not only gives you access to batteries in an outage but it also will give full access to the PV on the rooftop as well. Don't let your investment of string or micro inverters go to waste.

### AC & DC COUPLED AT THE SAME TIME

#### NEW OR EXISTING SYSTEM

Even more performance than ever! If you have an existing PV array but need more power and want battery backup, no worries. AC couple the existing PV array and simply DC couple the added PV right into the Storz Power AI+ inverter. This reduces significant cost where the competitors would require multiple total systems.



## STORZ POWER SYSTEM LEVEL SPECIFICATIONS

MODEL NUMBERS	AI+ 12K.10	AI+ 12K.15	AI+ 15K.15	AI+ 15K.20	AI+ 30K.30
AI+ Package Model Numbers	20024	20025	20032	20033	20034
Battery Model Number	10247	10247	10247	10247	10247
Inverter Model Numbers	12K Inverter: 10328		15K Inverter: 10332		

### PACKAGES

Total Energy Capacity Included	2 Batteries (10 kWh)	3 Batteries (15 kWh)	3 Batteries (15 kWh)	4 Batteries (20 kWh)	6 Batteries (30 kWh)
Usable Energy Capacity Included	2 Batteries (10 kWh)	3 Batteries (15 kWh)	3 Batteries (15 kWh)	4 Batteries (20 kWh)	6 Batteries (30 kWh)
Storz Wall Mount Battery Cabinets Included	1 Cabinet	2 Cabinets	2 Cabinets	2 Cabinets	3 Cabinets

#### Battery Expandability

\*add additional batteries to any package,  
up to 14+ Batteries per 12K or 15K Inverter

Expand up to 14+ Batteries in Parallel per Inverter  
(70 kWh)

Inverter Quantity Included	1 12K Inverter	1 12K Inverter	1 15K Inverter	1 15K Inverter	2 15K Inverters
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Inverter Expandability Expand up to 12 Inverters per home; applicable to 12K & 15K Inverters

UPS Rated ATS	Not Available	Built into Inverter			
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### POWER / OUTPUT

Nominal Cont. AC Power On Grid @240v	9,000W 37.5A	15,000W 62.5A
Nominal Cont. AC Power Off Grid @240v	9,000W 37.5A	12,000W 50A
On Grid Pass Through @240v	15,120W 63A	48,000W 200A
Surge AC Power @240v	16,000VA (10 sec)	24,000VA (10 sec)
Nominal AC Voltage / Range	120/240 @ 60/50Hz 208(inv #2,3,6,9,12)	120/240 @ 60/50Hz 208(inv #2,3,6,9,12)
Battery Max. Charging Current (A)	185A	275A
Battery Max Discharging Current (A)	185A	275A
Response Time (Grid-tied to Off-grid)	4ms	5ms

AC/DC Coupling Yes

Number of MPPT's / Strings	2 / 4	3 / 6	6 / 12
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Solar Ready & Generator Ready Yes

Max. DC PV Input Power (W)	13,000W	19,500W
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Inverter Supplies String Inverter/Micro Inverter Yes, to Keep Solar Live in a Power Outage

PV Max. DC Input Voltage (V) 500V

MPPT Range (V)	150-425V	125-425V
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Start-up Voltage (V) 125V

Max. AC Couple Input (Micro/String Inverter)	9600W	19200W
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Support Islanding, Grid Sell, Self Consumption, Prioritized Charging from Renewables, Grid Support - Zero Export, ESS PCS Operation Modes (Import Only, Export Only), Backup Loads Disconnect, Inverter Bypass Switch

## STORZ POWER SYSTEM LEVEL SPECIFICATIONS

STORZ POWER BATTERY	AI+ 12K.10	AI+ 12K.15	AI+ 15K.15	AI+ 15K.20	AI+ 30K.30
Battery Chemistry	Lithium-Iron Phosphate (LFP)				
Round Trip Efficiency DC-DC	98%				
Depth of Discharge	100% (at 1C Rate at 77°F)				
Cycle Life	8,000 Cycles				
Battery Voltage Range (V)	44V-56V				
Battery Terminal Lugs	Parallel Connection Required				
Battery Protection Function	Over-charge, Over-discharge, Over-current, Short Circuit, Temperature				

## INSTALLATION SPECIFICATIONS

Mounting or Installation Type	Battery Cabinet: Wall Mount, Inverter: Wall Mount				
Enclosure Type	Battery Cabinet: IP55, Inverter: NEMA 3R				
Battery Max. Ambient Charging Temperature Range	32°F to 131°F / 0°C to 55°C				
Battery Max. Ambient Discharge Temperature Range	14°F to 131°F / -10°C to 55°C				
Battery Recommended Operating Temperature Range	77°F to 87°F / 25°C to 30.6°C				
Battery Operating Humidity (RH)	75%				
Battery Storage Conditions	<86°F, State of Charge 20%-60%				
Inverter Ambient Operating Temperature Range	-13°F - 131°F, <113°F derating / -25°C - 55°C, <45°C derating				
Cooling	Battery: Natural Convection - No Fan, Inverter: Active Fan Cooling				
Maximum Installation Altitude (Ft.)	No Limit				

\*note: charge/discharge rate may be reduced at temperature extremes

## COMPATIBILITY

Battery Compatibility	Most 48V PV Inverter Manufacturers & Grid-tied PV Systems				
Communication from Battery to Inverter	Double RS485				
Battery Supported Communication Interfaces	CANbus, MODbus				
Monitoring Included	Yes				

## SIZE & WEIGHT

Battery Dimensions / Weight 1 Battery: 17" x 17" x 8.75" / 124 lb. 1 Storz Wall Mount Batt. Cab.: 19.375" x 12.75" x 37.75" / 72 lb. Universal Rack Mount Options Available Upon Request	2 Batt., 1 Cab. 320 lb.	3 Batt., 2 Cab. 516 lb.	3 Batt., 2 Cab. 516 lb.	4 Batt., 2 Cab. 640 lb.	6 Batt., 3 Cab. 960 lb.
Inverter Dimensions / Weight 1 12K Inverter: 30" x 18.3" x 10" / 78 lb. 1 15K Inverter: 31.8" x 18.3" x 10.9" / 135 lb.	1 12K Inverter 78 lb.	1 12K Inverter 78 lb.	1 15K Inverter 135 lb.	1 15K Inverter 135 lb.	2 15K Inverters 270 lb.

## STORZ POWER SYSTEM LEVEL SPECIFICATIONS

WARRANTY	AI+ 12K.10	AI+ 12K.15	AI+ 15K.15	AI+ 15K.20	AI+ 30K.30
Battery	Full Repair/Replace: 15 Year Performance Warranty (or 8,000 Cycles), 10 Year Product Warranty				
Inverter	12K Inverter 10 Year Standard Warranty		15K Inverter 10 Year Standard Warranty		
COMPLIANCE STANDARDS					
Battery Safety / Certifications	UL 1642, UN 38.3, ANSI/CAN/UL-1973, UL 9540, UL 9540A, CA-SGIP, CEC, OGPe, PREPA				
Inverter Safety / Certifications	NEC 690.4B, NEC 705.4/6, UL1741-2010/2018, IEEE1547a-2003/2014, FCC 15 class B, UL1741SA, CA Rule 21, HECO Rule 14H, NEC 240.15, NEC 690.5, NEC 690.5, NEC 690.12, NEC 690.11/UL 1699B, PV Input Lightning Protection, AC Input/Output 63A Breakers, 250A Battery Breaker/Disconnect, CEC, UL 9540, UL 9540A, CA-SGIP, OGPe, PREPA, UL 1741-CRD		NEC 690.4B, NEC 705.4/6, UL1741-2010/2018, IEEE1547a-2003/2014, FCC 15 class B, UL1741SA, CA Rule 21, HECO Rule 14H, NEC 240.15, NEC 690.5, NEC 690.5, NEC 690.12, NEC 690.11/UL 1699B, PV Input Lightning Protection, AC Input/Output 200A Breakers, 200A x 2 Battery Breaker/Disconnect, CEC, UL 9540, UL 9540A, CA-SGIP, OGPe, PREPA, UL 1741-CRD		
Grid Connection	Worldwide Compatibility				
Emissions	No Emissions / Clean Energy				
UL Labs Standards	Tested and Passed				