



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 up to 168 batteries in parallel
- Build a custom package with the AI+ Custom Whole Home solution
- Add extra system components to any package initially or in the future



PACKAGES

Storz Power AI+ packages boast flexible home energy options that can power just your essentials or your whole home, regardless of size, in the event of a power outage or emergency. The Storz Power lithium-iron phosphate (LFP) Battery and Inverter matched with our AI+ Technology is what makes our AI+ packages the most flexible, safe, and powerful energy storage systems that exist today.

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

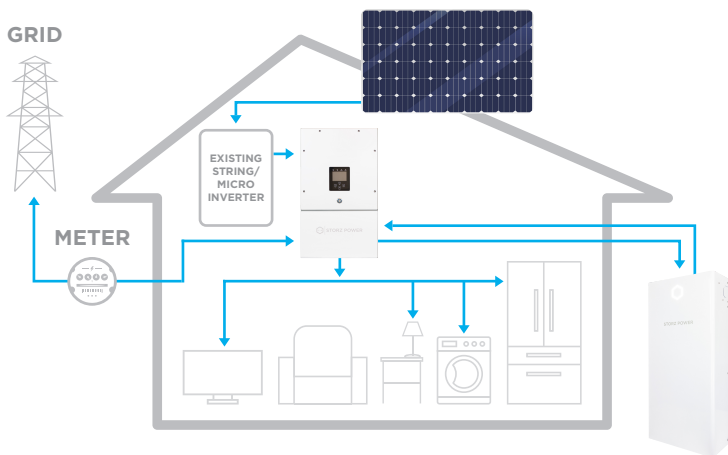
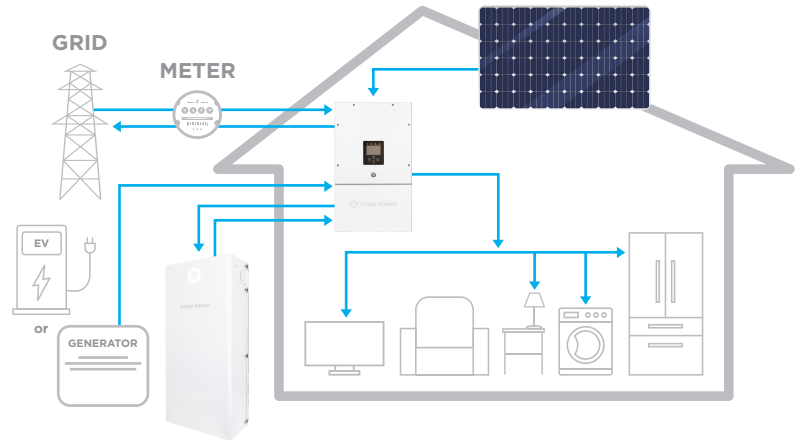


3 TYPES OF INSTALL CONFIGURATIONS

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

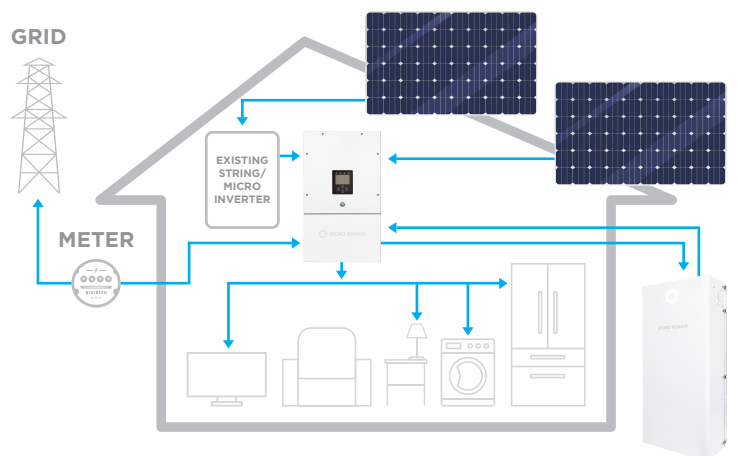
Keep the PV array active as well when the grid fails with Storz Power's energy storage system!

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	12K.10	12K.15	15K.15	15K.20	30K.30
Battery Model Number	SP5.12-LFPv4				
Inverter Model Numbers	12K Inverter: SOL-ARK 12K-2P		15K Inverter: SOL-ARK 15K-2P		

SKU NUMBERS

AI+ Package Sku Numbers	20024	20025	20032	20033	20034
Battery Sku Number	10247	10247	10247	10247	10247
Inverter Sku Numbers	12K Inverter: 10377		15K Inverter: 10378		

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	Expand up to 168 Batteries per system (840 kWh)				
*add additional batteries to any package					
Inverter Quantity Included	1 12K Inverter	1 12K Inverter	1 15K Inverter	1 15K Inverter	2 15K Inverters
Inverter Expandability	Expand up to 12 Inverters per home; applicable to 12K & 15K Inverters				
UPS Rated ATS	Not Available		Built into Inverter		

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

STORZ POWER SYSTEM LEVEL SPECIFICATIONS

POWER / OUTPUT continued	AI+ 12K.10	AI+ 12K.15	AI+ 15K.15	AI+ 15K.20	AI+ 30K.30
PV Max. DC Input Voltage (V)			500V		
MPPT Range (V)	150-425V		125-425V		
Start-up Voltage (V)	125V				
Max. AC Couple Input (Micro/String Inverter)	9600W		19200W		
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 BATTERY

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

STORZ POWER SYSTEM LEVEL SPECIFICATIONS

SIZE & WEIGHT	AI+ 12K.10	AI+ 12K.15	AI+ 15K.15	AI+ 15K.20	AI+ 30K.30
Battery Dimensions / Weight 1 Battery: 17" x 17" x 8.75" / 98 lb. 1 Storz Wall Mount Batt. Cab. Gen 3: 20.625" x 45.5" x 12.125" / 104 lb. Universal Rack Mount Options Available Upon Request	2 Batt., 1 Cab. 300 lb.	3 Batt., 2 Cab. 502 lb.	3 Batt., 2 Cab. 502 lb.	4 Batt., 2 Cab. 600 lb.	6 Batt., 3 Cab. 900 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.

WARRANTY

Battery	25 Year Limited Warranty (or 8,000 Cycles)				
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, OGP, 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, OGP, 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, OGP, PREPA, UL 1741-CRD		
Grid Connection	Worldwide Compatibility				
Emissions	No Emissions / Clean Energy				
UL Labs Standards	Tested and Passed				