

## 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
- Smart Access allows you to choose how your energy is used - all at fingertips

### 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
- Unlimited expansion of Smart Access panels
- 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 the Smart Access Controller are what makes our AI+ packages the most flexible, safe, and powerful energy storage systems that exist today.

### AI+ 50A

#### 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.



\*translucent view of white cabinet

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



### AI+ 70A SMART ACCESS

#### UP TO 70 AMPS

Access more than just your basics and choose where to use your home's power in real-time. Power all the energy consuming items in the AI+ 50A package plus the electric oven/range, EV charger, and well pump.



\*translucent view of white cabinet

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



### AI+ 200A SMART ACCESS 12K

#### UP TO 200 AMPS

Access power to your entire 200 amp main panel and choose where to use your home's power in real-time. Power all the energy consuming items in the AI+ 70A Smart Access package plus the AC, water heater, and electric washer/dryer.



\*translucent view of white cabinet

- + 4 Batteries | 20+ kWh
- + 2 Storz Wall Mount Battery Cabinets
- + 1 12K Inverter | 2.5-13 kW PV
- + 1 Smart Access Controller
- + 1 AI+ Smart Switch



### AI+ 200A PLUS SMART ACCESS 15K

#### UP TO 200 AMPS

Access power to your entire 200 amp main panel and choose where to use your home's power in real-time. Power all the energy consuming items in the AI+ 200A Smart Access 12K package. Benefits: integrated smart switch, quicker install, larger solar array.



\*translucent view of white cabinet

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



### AI+ CUSTOM WHOLE HOME 12K

#### UP TO 200 AMPS

Access your entire home off-grid or in a blackout with this package. Power all the energy consuming items in the AI+ 200A Smart Access 12K package plus a pool pump or any other items needed to power in a large home of any size.



\*translucent view of white cabinet

- + 4 Batteries | 20+ kWh
- + 2 Storz Wall Mount Battery Cabinets
- + 2 12K Inverters | 5-26 kW PV
- + 1 Smart Access Controller
- + 1 AI+ Smart Switch



### AI+ CUSTOM WHOLE HOME 15K

#### UP TO 400 AMPS

Access your entire home off-grid or in a blackout with a custom package. Power all the energy consuming items in the AI+ 200A Plus Smart Access 15K package plus a pool pump or any other items needed to power in a large home of any size.



\*translucent view of white cabinet

- + 6 Batteries | 30+ kWh
- + 3 Storz Wall Mount Battery Cabinets
- + 2 15K Inverters | 5-39 kW PV
- + 1+ Smart Access Controller

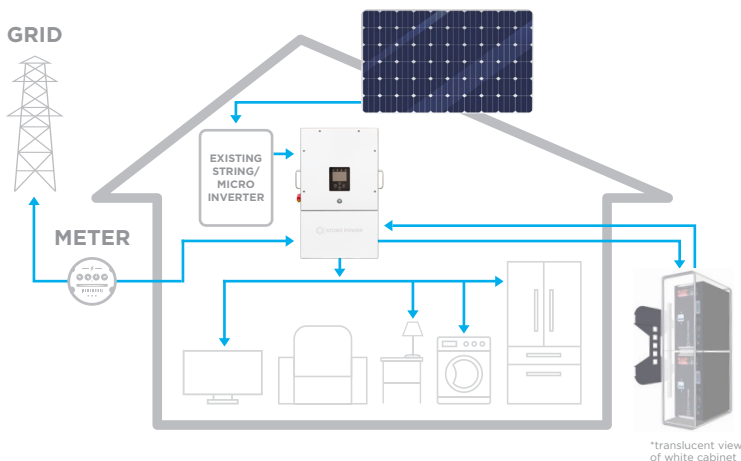
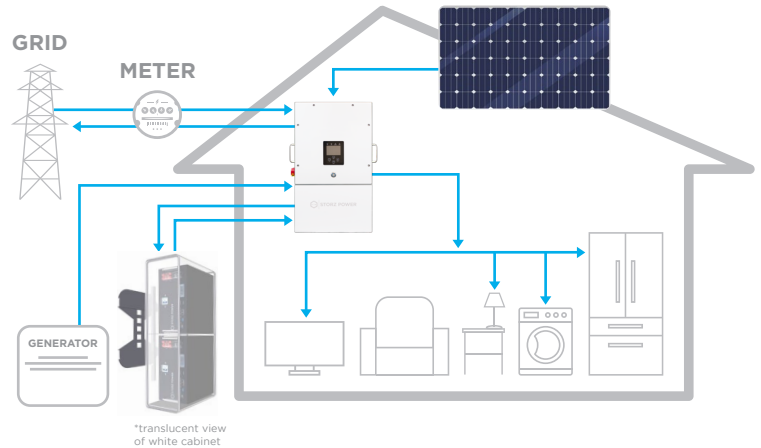


## 3 TYPES OF INSTALL CONFIGURATIONS

### 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 Shut-down requirements. This configuration is generator ready.



### AC COUPLED CONFIGURATION

#### EXISTING SYSTEM

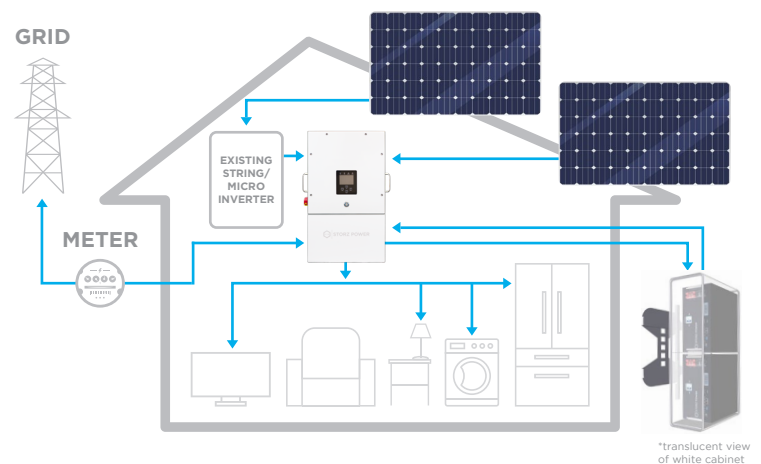
Keep the PV array active as well when the grid fails with Storz Power's energy storage system!

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+ 50A	AI+ 70A SMART ACCESS	AI+ 200A SMART ACCESS 12K	AI+ CUSTOM WHOLE HOME 12K	AI+ 200A PLUS SMART ACCESS 15K	AI+ CUSTOM WHOLE HOME 15K
AI+ Package Model Numbers	10324	10325	10326	10246	10333	10334
Battery Model Number	10247					
Inverter Model Numbers	12K Inverter: 10328				15K Inverter: 10332	
Smart Access Controller Model Number	10249					
AI+ Smart Switch Model Number	10319					
<b>PACKAGES</b>						
Total Energy Capacity Included	2 Batteries (10 kWh)	3 Batteries (15 kWh)	4 Batteries (20 kWh)	4 Batteries (20 kWh)	4 Batteries (20 kWh)	6 Batteries (30 kWh)
Usable Energy Capacity Included	2 Batteries (10 kWh)	3 Batteries (15 kWh)	4 Batteries (20 kWh)	4 Batteries (20 kWh)	4 Batteries (20 kWh)	6 Batteries (30 kWh)
Storz Wall Mount Battery Cabinets Included	1 Cabinet	2 Cabinets	2 Cabinets	2 Cabinets	2 Cabinets	3 Cabinets
Battery Expandability	Expand up to 14 Batteries in Parallel per Inverter (70 kWh)					
*add additional batteries to any package, up to 14 Batteries per 12K or 15K Inverter						
Inverter Quantity Included	1 12K Inverter	1 12K Inverter	1 12K Inverter	2 12K Inverters	1 15K Inverter	2 15K Inverters
Inverter Expandability	Expand up to 12 Inverters per home; applicable to 12K & 15K Inverters					
Total Smart Access Controllers Included	Optional Smart Access Controller Add-on	1 Smart Access Controller (12 Breakers)	1 Smart Access Controller (12 Breakers)	1 Smart Access Controller (12 Breakers)	1 Smart Access Controller (12 Breakers)	1 Smart Access Controller (12 Breakers)
Total AI+ Smart Switch Included	Optional AI+ Smart Switch Add-on		1 AI+ Smart Switch		Built into Inverter	
<b>POWER / OUTPUT</b>						
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	

**STORZ POWER SYSTEM LEVEL SPECIFICATIONS**

POWER / OUTPUT continued	AI+ 50A	AI+ 70A SMART ACCESS	AI+ 200A SMART ACCESS 12K	AI+ CUSTOM WHOLE HOME 12K	AI+ 200A PLUS SMART ACCESS 15K	AI+ CUSTOM WHOLE HOME 15K
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					
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					
<b>STORZ POWER BATTERY</b>						
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 at 77°F)					
Battery Voltage Range (V)	44V-56V					
Battery Terminal Lugs	Parallel Connection Required					
Battery Protection Function	Over-charge, Over-discharge, Over-current, Short Circuit, Temperature					
<b>SMART ACCESS</b>						
Smart Access Controller AC Voltage	Optional Smart Access Controller Add-on	120/240V				
Breaker Quantity per Smart Access Controller	12 Relays: six 30 amp relays and six 60 amp relays					
Smart Access Controllers	Add additional Smart Access Controllers to any package, max amount is unlimited					
> Control as many electrical panels as needed with Smart Access technology						
Flexibility	Optional Smart Access Controller Add-on	Yes	Yes	Yes	Yes	Yes
> Choose where you want to use energy						
Energy App Control	Optional Smart Access Controller Add-on	Yes	Yes	Yes	Yes	Yes
> Turn appliances off & on manually or with a schedule						
Storz Power AI+ Wireless	Optional Smart Access Controller Add-on	Yes	Yes	Yes	Yes	Yes
> Control multiple sub-panels						
<b>AI+ SMART SWITCH</b>						
AI+ Smart Switch Equals Automatic Transfer Switch	Optional AI+ Smart Switch Add-on	Access up to a 200A panel off grid with no interruptions			N/A, Built into Inverter	
*generator based transfer switches will not work in place of a AI+ Smart Switch						

**STORZ POWER SYSTEM LEVEL SPECIFICATIONS**

INSTALLATION SPECIFICATIONS	AI+ 50A	AI+ 70A SMART ACCESS	AI+ 200A SMART ACCESS 12K	AI+ CUSTOM WHOLE HOME 12K	AI+ 200A PLUS SMART ACCESS 15K	AI+ CUSTOM WHOLE HOME 15K
Mounting or Installation Type	Battery Cabinet: Wall Mount, Inverter: Wall Mount, Smart Access: Wall Mount, AI+ Smart Switch: Wall Mount					
Enclosure Type	Battery Cabinet: IP55, Inverter: NEMA 3R, Smart Access: Indoor, AI+ Smart Switch: 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					
AI+ Smart Switch Recommended Operating Temp. Range	Optional AI+ Smart Switch Add-on	-4°F - 158°F / -20°C - 70°C			N/A, Built Into Inverter	
AI+ Smart Switch Operating Humidity (RH)	Optional AI+ Smart Switch Add-on	5-95% non-condensing			N/A, Built Into Inverter	
Cooling	Battery/Smart Access/AI+ Smart Switch: Natural Convection - No Fan Inverter: Active Fan Cooling					
Maximum Installation Altitude (Ft.)	No Limit					
	*note: charge/discharge rate may be reduced at temperature extremes					
<b>COMPATIBILITY</b>						
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					
<b>SIZE &amp; WEIGHT</b>						
Battery Dimensions / Weight	2 Batt., 1 Cab. 320 lb.	3 Batt., 2 Cab. 516 lb.	4 Batt., 2 Cab. 640 lb.	4 Batt., 2 Cab. 640 lb.	4 Batt., 2 Cab. 640 lb.	6 Batt., 3 Cab. 960 lb.
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						
Inverter Dimensions / Weight	1 12K Inverter 78 lb.	1 12K Inverter 78 lb.	1 12K Inverter 78 lb.	2 12K Inverters 156 lb.	1 15K Inverter 135 lb.	2 15K Inverters 270 lb.
1 12K Inverter: 30" x 18.3" x 10" / 78 lb. 1 15K Inverter: 31.8" x 18.3" x 10.9" / 135 lb.						
Smart Access Controller Dimensions / Weight	Optional Smart Access Controller Add-on	17.5" x 17.5" x 4" / 27 lb.				
AI+ Smart Switch Dimensions / Weight	Optional AI+ Smart Switch Add-on	24.1" x 13.4" x 7" / 18 lb.			N/A, Built Into Inverter	
<b>WARRANTY</b>						
Battery	Full Repair/Replace: 15 Year Performance Warranty (or 8,000 Cycles at 77°F), 10 Year Product Warranty					
Inverter	12K Inverter 10 Year Standard Warranty				15K Inverter 10 Year Standard Warranty	

**STORZ POWER SYSTEM LEVEL SPECIFICATIONS**

WARRANTY continued	AI+ 50A	AI+ 70A SMART ACCESS	AI+ 200A SMART ACCESS 12K	AI+ CUSTOM WHOLE HOME 12K	AI+ 200A PLUS SMART ACCESS 15K	AI+ CUSTOM WHOLE HOME 15K	
Smart Access Controller	Optional Smart Access Controller Add-on	10 Year Limited Warranty					
AI+ Smart Switch	Optional AI+ Smart Switch Add-on	5 Year Limited Warranty			N/A, Built Into Inverter		
<b>COMPLIANCE STANDARDS</b>							
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			
Smart Access Controller Safety / Certifications	Optional Smart Access Controller Add-on	UL 916/61010					
AI+ Smart Switch Safety / Certifications	Optional AI+ Smart Switch Add-on	UL 1008, UL 508, CSA certified, file #LR58301, NFPA 70, NFPA 110, IEEE Standard 446, IC10-1993, ANSI C37.90.1 (IEEE472), EN61000-4-5, EN61000-4-4, CISPR 11, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11			N/A, Built Into Inverter		
Grid Connection	Worldwide Compatibility						
Emissions	No Emissions / Clean Energy						
UL Labs Standards	Tested and Passed						