



PowerBox

Infinitely Scalable

PowerBox can meet your demand needs and is a great solution for commercial properties and utility scale projects.

Easy Installation

PowerBox ships easily around the world thanks to its modular design.

Safety

PowerBox containers are outfitted with advanced fireproofing technology.

Smart Control

PowerBox is managed by Adon's EMS system which allows for smart control and wireless software updates.



CONTAINERIZED BATTERY SYSTEM	40 FOOT CONTAINER
Nominal Capacity @BOL 5.32 MWh	5.32 MWh
Fully Integrated Container	40'(L) x 8'(W) x 9.5'(H), C5 Corrosion Resistant Paint available
Weight Fully Integrated Container	135,000 lbs. (est).
HVAC	(2x) 15kW each
Fire Suppression Agent	Included
Fire Suppression Control	H2 Sensor, Heat & Smoke Detection, Audible and Visual Alarm
AUXILIARY CABINET	
Control Cabinet	DC Combiner, single or multiple DC ports
	Battery Health Monitoring System, MBMS, and UPS
	Auxiliary power system, 31.8 KVA total nameplate of devices
Master BMS	3rd Level Controller for Battery Racks
UPS system	Included
Energy Management System	Optional SEL RTAC and Cybersecurity
BATTERY RACKS	
Battery Rack	20 Racks with 26 Module Per Rack (266 KWh each)
Battery Module	Lithium Ferrous Phosphate (LiFePO4) Chemistry
BMS	Included
CABLES	
Power Cable	Battery Modules to Internal Combiner included
Communication Cable	Internal communications included
Auxiliary Device Cable	Internal aux device wiring included
COMMUNICATION	
Communication Protocol	CANBUS/Modbus RTU/TCP/IP
TEMPERATURE & HUMIDITY	
Optimal Internal Operating Temp Range	15 ~ 30 °C (59 ~ 86 °F)
Ambient Operating Temp Range	-30 ~ 45 °C (-22 ~ 113 °F) (Operating power may be limited at extremes)
Humidity (Indoor)	5 - 95% (without condensing)
CURRENT & VOLTAGE	
Discharge cut-off voltage	1164.8V (standard configuration, contact for alternate)
Charge cut-off voltage	1497.6V (standard configuration, contact for alternate)
Charge/Discharge Rate	<=0.5C
PERFORMANCE	
DC Round-trip efficiency (RTE)	93% (tested stable at 10,000 cycles at 25°C)
Recommended Depth of Discharge	90%
Operation Cycle Life	>15,000 cycles
Operation Life	20+ years
CERTIFICATIONS	
Certifications Pending (Estimated Q4 2023)	UL1973, UL9540, UL9540A, IEC62477-1, IEC62040-1, IEC62619, CE LVD, CE EMC, UN38.3

*Specifications subject to change. Please contact Adon Renewables directly for the most current information.