

# Commercial & Industrial Energy Storage System



Commercial & Industrial energy storage system is a series of high-security, high-reliability and standardized products developed for industrial and commercial application scenarios. It adopts modular system configuration and flexibly matches various industrial and commercial scenarios, which can achieve peak-valley time-shift and off-peak power consumption and relieve power grid pressure.



## Standardized & Modular Design

- Modular design of the entire series of products, easy to install and maintain
- Scalable design to meet customer customization needs



## Comprehensive protection and monitoring

- Support communication methods such as CAN, Ethernet, RS485, and dry contacts
- Real time BMS detection to protect the safe operation of the battery system



## Safe, environmentally friendly, and adaptable

- Fully submerged fire protection configuration, high safety, and environmentally friendly
- Wide temperature range for battery use



## Long service life

- Good battery consistency and low internal resistance
- The cycle life exceeds 5000 times, and the design life can reach 10 years



## Flexible switching of power supply

- Support dual circuit power supply, with priority given to AC power supply
- Seamless switching to direct current when AC power is lost



## Unattended, remote operation and maintenance

- Availability rate of over 99%
- Support for remote software upgrades

# Commercial & Industrial Energy Storage System A150-A600/A400-S/A600-S

Model	A150	A300	A450	A300-S	A450-S	A200	A400	A600	A400-S	A600-S
Group form	2P20S*13	2P20S*26	2P20S*39	2P20S*26	2P20S*39	3P16S*15	3P16S*30	3P16S*45	3P16S*30	3P16S*45
discharge rate	0.5P			0.25P	0.17P	0.5P			0.25P	0.17P
Nominal Capacity (KW)	75	150	225	75	75	100	200	300	100	100
Number of battery clusters	1	2	3	2	3	1	2	3	2	3
PCS quantity	1	2	3	1	1	1	2	3	1	1
Nominal Capacity (KWh)	159.74	319.48	479.23	319.48	479.23	221.18	442.36	663.52	442.36	663.52
DC voltage range	728V-936V					672V-864V				
AC side voltage	AC400V									
Maximum system efficiency	88%									
Protection Level	*IP54									
Corrosion protection level	*C3-M									
External communication	RJ45 interface, TCP / IP protocol									
Cooling	Forced air cooling									
Firefighting methods	Perfluorohexanone / Heptafluoropropane									
Humidity	5%~95%									
Altitude	≤3000m									
System cycle life	EOL 70%, 5000 (calendar life of 10 years)									
Overall dimensions (W×D×H)	1700×1100×2400 mm	2700×1100×2400 mm	4000×1100×2400 mm	2700×1100×2400 mm	4000×1100×2400 mm	1600×1250×2500 mm	3100×1250×2500 mm	4700×1250×2500 mm	3100×1250×2500 mm	4700×1250×2500 mm
Weight (T)	2.2T	4.4T	6.5T	4.1T	5.9T	2.8T	5.4T	8T	5T	7.5T



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