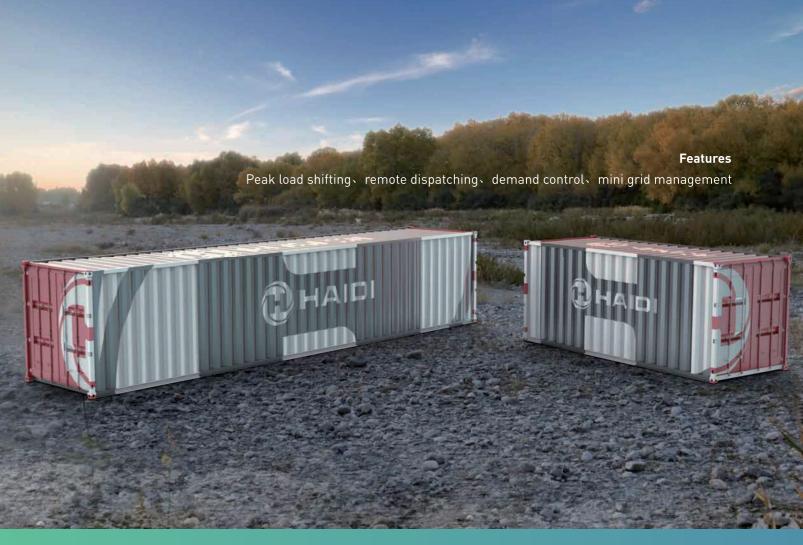
# MEGAWATT ENERGY STORAGE SYSTEM

Haidi's megawatt scale containerized energy storage systems for grids and renewable energy sources provide invaluable flexibility. The containerized energy storage system smooths the intermittent generation and ramp rates inherent in renewable power sources, making it ideal for medium to large-scale, on-grid solar and wind power schemes. Haidi energy storage system is also used in medium and low voltage grids to provide grid support functions such as peak management or voltage support.





### Safety

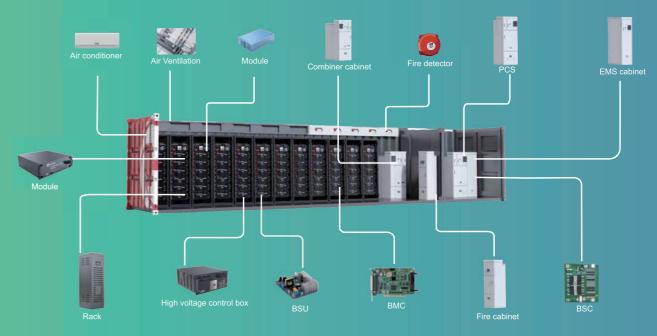
- 1.Battery centered design;
- 2.Three-dimensional protection
- 3.Haidi Lithium technology

### Stablity

- 1.SoC precision <2 %;
- 2. Multiple network structure
- 3.Life long period fault and data recording;

## High efficiency

- 1.Battery usable capacity increased by 5%
- 2.System efficiency optimization > 1%
- 3 Standby consumption decreased over 2.5%
- 4.On-site test and commission reduced by 70%:



# ENERGY STORAGE SYSTEM MODULE DESIGN

- ★ Easy capacity expansion
- ★ Quick and easy installation
- ★ Adaptation of the energy storage to an increased capacity demand





#### PERFORMANCE

Nominal capacity	770kWh	2000kWh
Rated ratio(C)	0.5C	0.5C
AC output voltage	400Vac	400Vac
AC output frequency	50/60Hz	50/60Hz
Rated power	500kW	500kW
Work mode	On grid & off grid	On grid & off grid
Cycles	≥ 5000 times	≥ 5000 times
Ambient temperature	-40°C~+50°C	-40°C~+50°C
Battery work temperature	15°C~+35°C	15°C~+35°C
Altitude	<3000m	<3000m
Container	20 feet	40 feet
Fire protection grade	IP65	IP65



## 500KW/770KWh Container ESS Layout

EMS	PCS	Combiner box	Battery rack	Battery rack	Battery rack	
		Fire cabinet	Battery rack	Battery rack	Battery rack	

#### 1000KW/1800KWh Container ESS Layou



500KW/2000KWh Container ESS Layout