

# ACE-I&CESS Industrial & Commercial Energy Storage System



## APPLICATION SCENARIOS

- ◆ Smart communities
- ◆ Public parking lots
- ◆ Hospitals and shopping centers
- ◆ Commercial buildings

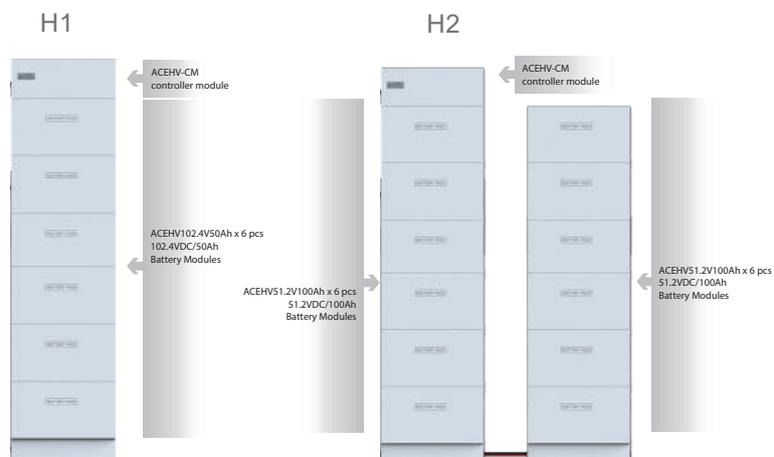
## PRODUCT FEATURES

- ◆ The energy storage system adopts modular design, which is easy to expand, install and maintain;
- ◆ Comprehensive and multi-level battery protection strategy, fault isolation measures, high safety;
- ◆ Lithium iron phosphate battery has high energy density, long cycle life and high safety and reliability;
- ◆ The battery box adopts natural heat dissipation;
- ◆ Complete lithium battery BMS battery management system to ensure reliable operation of the battery;
- ◆ The system can operate on or off grid, and the user's power consumption scenario is flexible.

## PRODUCT INTRODUCTION

The I&C energy storage system is mainly used for users whose loads are connected to the power grid. The system can be connected to the grid or off the grid. It can integrate high-performance PCS equipment, which has the characteristics of easy deployment, safe and reliable equipment, high energy density, flexible configuration, efficient operation and maintenance, etc.

The I&C energy storage system can be widely used in peak shaving and valley filling, electricity charge management, demand response, industrial and commercial microgrid and other application scenarios to provide users with one-stop energy storage solutions.





# Industrial & Commercial Energy Storage System

## ■ Specifications

Product model	ACE-I&C-H1			ACE-I&C-H2		
<b>System parameters</b>						
Product Model	ACEHV51.2V50Ah			ACEHV51.2V100Ah		
Number of battery packs	4	8	12	4	8	12
Total energy [KWh]	10.24	20.48	30.72	20.48	40.96	61.44
Rated voltage [V]	204.8	409.6	614.4	204.8	409.6	614.4
Voltage range [V]	179.2~230.4	358.4~460.8	537.6~691.2	179.2~230.4	358.4~460.8	537.6~691.2
Maximum charge-discharge current [A]	25/60			50/120		
Communication	CAN/RS485					
Size [W*D*H, mm]	630*220*1000	630*220*1640	630*220*2280	630*220*1640	630*220*1640	630*220*2280
				--	630*220*1430	630*220*2070
Weight [kg]	108	204	300	193	376	556
IP Grade	IP65					
Installation	Stand alone/wall-mounted					
Cooling Method	Natural Cooling					
Operating temperature [°C]	Charge: 0~55; Discharge: -20~+55					
Environmental humidity	5%~95% RH (no condensation)					
Altitude [m]	0~3000					

	Battery Pack Parameters		Controller Module
Product Model	ACEHV102.4V50Ah	ACEHV51.2V100Ah	ACEHV-CM
Rated voltage [V]	102.4	51.2	--
Voltage range [V]	89.6~115.2	44.8~57.6	0~750
Maximum charge-discharge current [A]	25/60	50/120	50/120
Communication	CAN/RS485	CAN/RS485	CAN/RS485
Size [W*D*H, mm]	630*220*320	630*220*320	630*220*210
Weight [kg]	48	45	10

The above data may be updated, which is subject to the physical object.