



# CubeArk

## Commercial All In One Energy Storage System

### Highly Integrated

A productized system, integrating energy storage battery, PCS, power distribution, temperature control fire extinguishers, water immersion door magnetic and monitoring communication to fully control the operating status and risks of the system

### Flexible Parallel Functions

With patent technology of SG features and functions, can realize the functions of multiple equipments remotely parallel and on/off-grid switching without communication lines

### Excellent Protection

Patented outdoor cabinet protection design, not only optimizes heat dissipation and air ventilation but also prevents dust and rain. With a maintenance door, easy to combine multiple sets of energy storage systems for deployment on-site, saving floor space

### Various Functions

Standardized structure design, multiple function configuration, solar charging module (DC-DC), on/off-grid switching module, isolation transformer, and other components can be selected flexibly and efficiently under microgrid and other applications

### Space Saving

The door-mounted integrated air conditioner does not occupy cabinet space, improving the available space of cabinet, and keeping the top structural integrity, resulting in better waterproof effects

### Intelligent Management

Local monitoring screens can achieve various functions such as system operation monitoring, energy management development, and remote software upgrading

## COMMERCIAL ALL IN ONE ENERGY STORAGE SYSTEM



MODEL	CubeArk-9050	CubeArk-10750	CubeArk-180100	CubeArk-197100	CubeArk-215100
<b>Battery(DC)</b>					
Nominal voltage(V)	320	384	640	704	768
Capacity(AH)	280				
Rated energy(KWH)	89.6	107.52	179.2	197.12	215.04
Cycle life	6000 cycles @25°C, 90% DOD, 90% EOL				
<b>PV Input(DC)</b>					
Recommend PV input power(KWP)	50		100		
Number of MPPT	2/1		4/2		
MPPT voltage range(V)	200-600				
<b>AC Power(AC)</b>					
Rated AC output power (KW)	50		100		
Maximum AC current (A)	72		144		
Rated AC voltage (V)	400V,3W+N+PE/3W+PE				
AC voltage range(Hz)	154-276				
Rated grid frequency	50/60				
Grid type	Three phase				
Overload capability	110%10min/120%1min				
PF	-1.0cap~1.0ind				
THDI	<3%				
<b>General Data</b>					
Environmental temperature	-25°C~60°C (Derating above 45°C)				
Relative humidity	0-95% non-condensing				
Protection degree	IP54				
Noise emission(dB)	≤70dB				
Isolation transformer	Optional				
Cooling	Forced-air				
Display	Touch screen LCD				
Communication interface	Ethernet/Can-bus				
Altitude	3000m (derating exceeding 2000m)				
Dimensions W*D*H(mm)	1200*1355*2150		1850*1355*2150		
Weight(kg)	1620	1750	2140	2400	2270