

Ocube

One-stop Energy Storage Magic Cube

"One for all" design concept, suitable for multiple scenarios of industrial and commercial energy storage



Industrial and commercial energy storage system



Focus on safety

multiple safety redundancy protection



Integration

AC or DC output



Suitable for outdoor

IP54 outdoor installation



Intelligent

self-developed EMS and liquid cooling temperature control



Easy to mount

modular design PCS and PACK

Energy Storage System

Product model	Ocube-75	Ocube-215	Ocube-372	Ocube-419
System rated energy	75 kWh	215 kWh	372 kWh	419 kWh
System output power	60 kW	100 kW	200 kW (AC optional)	
System rated output voltage	AC 400 (-20%~+15%)		DC 900-1500V	
Depth of discharge	95% DoD	95% DoD	95% DoD	95% DoD
Maximum system efficiency	≥95%	≥95%	≥95%	≥95%
Communication interface	CAN/RS485/LAN	CAN/RS485/LAN	CAN/RS485/LAN	CAN/RS485/LAN
Ingress protection (IP)	IP54	IP54	IP54	IP54
Noise	<73 db	<75 db	<65 db	<65 db
Operating temperature range	-30-55°C	-30-55°C	-30-55°C	-30-55°C
Operating humidity range	0-95% (no condensation)	0-95% (no condensation)	0-95% (no condensation)	0-95% (no condensation)
Battery temperature control method	Air-cooling	Air-cooling	Liquid-cooling	Liquid-cooling
Fire protection system	Perfluorohexanone	Perfluorohexanone	Perfluorohexanone	Perfluorohexanone
Dimensions (W*D*H)	1700*1150*2000 mm	1780*1270*2100 mm	1850*1580*2500 mm	1850*1600*2500 mm
Weight	1825 kg	2300 kg	3300 kg	3500 kg
EMS	Ocloud	Ocloud	Ocloud	Ocloud
Battery module				
Battery module	OH-1680	OH-20140	OH-52140	OH-52150
Cell capacity	100 Ah	280 Ah	280 Ah	315 Ah
Maximum charging/discharging current	0.8 C/80 A	0.5 C/140 A	0.5 C/140 A	0.5 C/150 A
Number of cycles	6000	6000	8000	8000
Battery capacity	5 kWh	18 kWh	46.5 kWh	52.4 kWh
BMS module				
BMU model	CH-900-A	CH-900-A	CH-1500-A	CH-1500-A
Voltage range	650-900 VDC	650-900 VDC	1100-1500 VDC	1100-1500 VDC
Maximum current	80 A	140 A	140 A	150 A
Number of series connections	15	12	8	8
PCS				
PCS configuration	60 kW	100 kW	200 kW (optional)	

About OPESS

OPESS provides international energy storage products and system integration solutions oriented towards the energy needs of end-users such as industrial, commercial and residential customers. With its excellent independent innovation and research and development capabilities, OPESS offers users comprehensive and reliable services throughout the entire cycle, including digital energy analysis, standardized solution design, intelligent system integration, standardized product installation, and unified acceptance and operation and maintenance, to meet the multi-dimensional energy needs of industrial, commercial, and residential energy storage scenarios.



Empowering Smart Energy