

GRID-FORMING ENERGY STORAGE SYSTEM CES-313-L / CES-418-L



Flexible

Integrated design and highly integrated modular design have different optional components.



Easy to install

High degree of modularity, simple structure, easy installation and maintenance.



Rapid deployment

Facilitate transportation and installation, reduce infrastructure construction costs, and shorten construction time.



Core function

Core functions: black start capability, synthetic inertia, multi-scenario adaptive frequency/voltage regulation, reliable support in weak grid/no-grid conditions

PRODUCT SPECIFICATION

型号 Model	CES-313-L	CES-418-L
DC data		
Battery cells	314Ah	314Ah
Cell cycle life	≥8000 Cycles	≥8000 Cycles
Number of batteries in series and parallel	1P552S*6	1P552S*8
Rated energy	313kWh	418kWh
Rated voltage	998.4VDC	1331.2VDC
Voltage range	858-1123.2VDC	1144-1497.6VDC
Exchange data		
Rated power	125KW	215KW
Rated voltage	380V	400V
Maximum current	200A	360A
Overload capacity	300% 3S	150% 3S
Type of power grid	3L+N+PE	3L+N+PE
Current distortion rate	S3%	S3%
Common data		
Dimensions	1335.7mm(H)*951mm(W)*2504.2mm(D)	1380mm(H)*1450mm(W)*2504.2mm(D)
Weight	≤3T	≤4.5T
IP protection level	IP54	IP54
Range of working temperature	-20°C~55°C	-20°C~55°C
Warranty time	5 years	5 years
Heat management	Liquid cooling (50% ethylene glycol water solution)	
Fire fighting system	Perfluoroethanol + Pack Machine	