

Utility ESS

iESS-CTN-1501

iESS-CTN-3432



Effective & Profitable

Multi-scenario adaptation, support peak and valley arbitrage, auxiliary services, etc.

Reduce the cost of electricity per kWh, intelligent algorithms improve system efficiency

Stable battery temperature, sensor technology and big data support



Safe & Reliable

Comprehensive monitoring, cloud-side-end collaboration, fast fault diagnosis

Intelligent management, AI support, improve thermal management capabilities

Fault isolation, hierarchical protection, coordination of components and systems



Flexible & Convenient

Modular design, easy to install and maintain

Better compatibility, capacity can be expanded

Support more sets of parallel use, covering a wide range of capacity

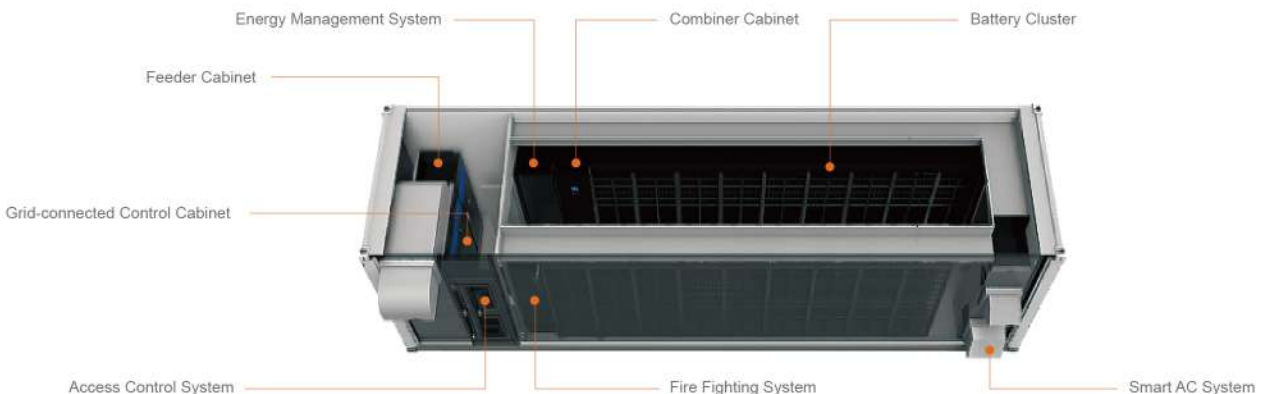


Smart & Friendly

Grid-friendly, proactive support, quick response

Intelligent algorithm, efficient operation, prolong life

Friendly access, diverse and flexible methods



Model No.	iESS-CTN-1501	iESS-CTN-3432
Battery Data		
Battery cell capacity	3.2V/280Ah	
System battery configuration	1P240S*7	1P320S*12
Rated battery capacity	1501kWh	3432kWh
Battery voltage range	648~876V	864~1168V
AC Side Data		
Rated AC output power	500kW	1250kW
Max. AC output power	550kVA	1375kVA
THDI	< 3% (at rated power)	
DC component	< 0.5% (at rated power)	
Rated grid-tied voltage	380Vac (Three-phase four-wire)	550Vac (Three-phase)
Grid voltage range	-15%~10% (settable)	
Power factor	> 0.99 (at rated power)	
Rated grid frequency	50Hz / 60Hz	
Power factor	1.0 (leading) -1.0 (lagging)	
Isolation mode	transformer isolation	no isolation
General Data		
Dimensions (LxWxH)	6096x2438x2896mm/240x96x114inch	12192x2438x2896mm/480x96x114inch
Weight (with/without battery)	25t/18t	45t/20t
IP grade	IP54	
Operating temperature	-30℃~50℃	
Operating humidity	0~95% (no condensation)	
Battery cooling type	Industrial grade temperature control AC	
Max. working altitude	5000m (>4000m derating)	
Fire Fighting System	Heptafluoropropane FFS	
PCS Cooling method	Temperature control forced AC	
BMS communication protocol	Modbus RTU, Modbus TCP	
BMS communication interface	RS485/CAN,Ethernet	
System communication protocol	Standard: Modbus RTU, Modbus TCP, IEC 103/104	

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