

HTES

SMART BESS

Commercial and industrial liquid-cooled energy storage system, single cabinet covers an area of only 1.273m², weight reduction of more than 26.5%, three-compartment management, isolation of hot and cold zones; perfluorohexanone fire protection, high safety and friendly to the environment; refined air duct design to reduce temperature difference, real-time monitoring and scheduling management of energy storage equipment by optimising the overall design of the energy storage system and intelligent technology, with a system efficiency of more than 90%.

Three-phase four-wire electrical design, support parallel/off-grid line mode; single cluster single channel independent control, discharge depth more than 95%; modular design, high degree of aggregation; can achieve automatic power backup function; can only dispatch electric power resources, demand tracking in EMS valley; support system level intelligent frequency conversion, PV energy storage coordinated control.



HELIOS-B261

Liquid Cooling Energy Storage System

Smaller size and weight

Improved structural design

System efficiency > 90%

Enable automatic backup power functionality

PV energy storage coordinated control

Greater battery cell compatibility

High degree of integration

EMS off-peak demand tracking

Grid-tied and off-grid switching (system-level)

System intelligent frequency modulation



Data Center



PESC



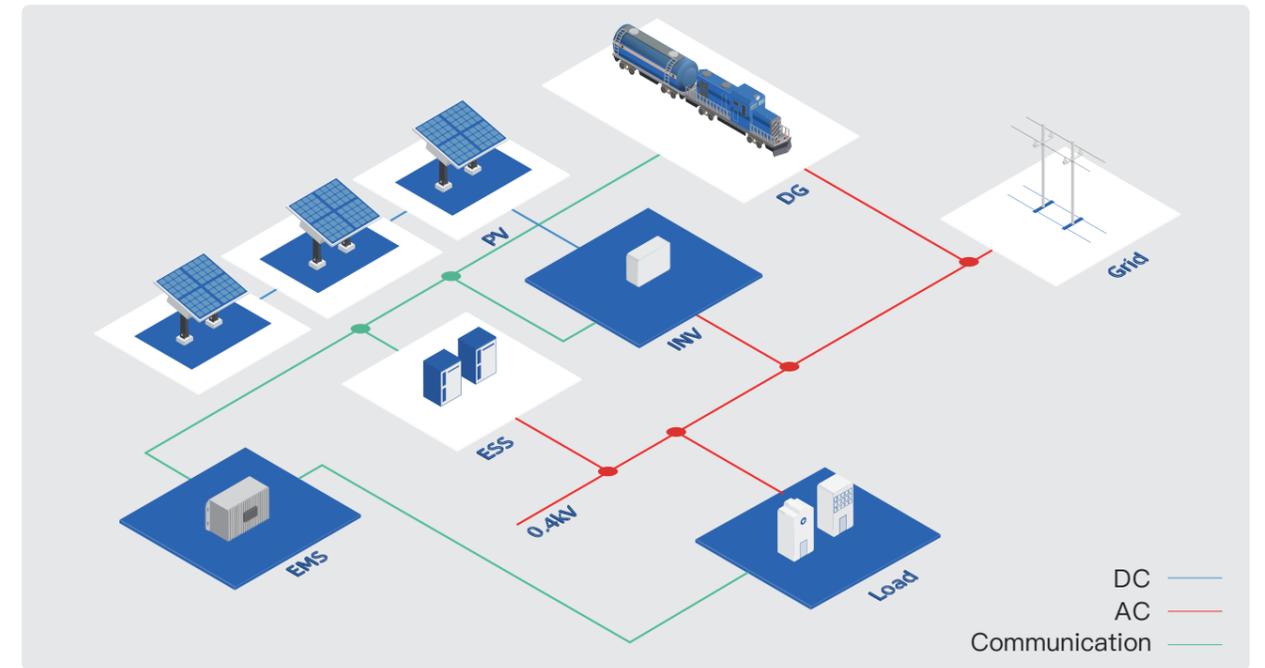
Factory



Hospital



Commercial building



Category	HTAES1-L125K261V1
System Parameters	
Cell Type	IFpP72/175/208/(52S)5SE/0+50/90
System Rated Energy	261kWh
System battery configuration	1P260S
Battery voltage range	728-936V d.c
Rated power	125KW
Energy conversion efficiency	90%
Fire safety settings	PACK-level fire detection
IP rating	IP55
Protection level	I
Maximum operating altitude	4000m(>2000 derating)
Thermal management technology	Liquid cooling (Temperature differential≤3°C)
Operating temperature	-20-55°C
Dimensions(L * D * H) mm	950*1340*2250
Weight	2.4t
AC-side Parameters	
Rated grid voltage	400V
Rated current	182A
Output voltage frequency	50Hz/60Hz
Power factor	-1...+1