

TIANWU-AIO-A

C&I all-in-one battery energy storage system

ECACTUS



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Highly integrated

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

Various functions

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

Space saving

Door mounted integrated air conditioning, does not occupy cabinet space, improving the available space of outdoor cabinet, keep top structure integrity, results in better waterproof effects.

Flexible parallel functions

With the patented technology of virtual synchronous machine features and functions, it can realize the long-distance free parallel operation of multiple units without communication lines, and the switching function between on-grid and off-grid.

Excellent protection

Patent outdoor cabinet protection design, optimizing heat dissipation and air ventilation, prevent dust and rain, front, back and two sides with door for maintenance, easy to make multiple sets of systems side by side deployment on site, saving the floor space.

Intelligent management

Local monitoring screen can realize various functions such as system operation monitoring, energy management formulation and remote software upgrade of equipment.

TIANWU-AIO-A Series

Technical parameters



Model	WH-TIANWU-100-215
Battery Parameters	
Rated capacity	215kWh
Rated voltage DC	768V
Battery type	LFP
Cell specification	3.2V 280Ah
System battery configuration	1P*20S*12S
AC Parameters	
Rated power	100kW
Rated current	144A
Rated voltage AC	400V, 3P+N+PE
Rated frequency AC	50/60Hz
Max.THd of current	< 3% (at nominal power)
Power factor	-1~+1
General Data	
Protection level	IP54
Inverter topology	Non-isolated (optional transformer)
Operating temperature range	-20~60°C (derating @ > 45°C)
Cooling method	Air cooling
Altitude	Max. 3000m(derating @ >2000m)
Communication protocols	Modbus, TCP/IP
Dimensions (W*D*H)	1800*1200*2300mm
Weight	~2400kg

*The final technical parameters may be adjusted according to the certification standards.