



Product Introduction

TIANWU Control Cabinet Series, an intelligent AC controller designed for TIANWU-AIO and other commercial and industrial energy storage systems. The modular design ensures easy functionality expansion and maintenance, making it adaptable to a variety of complex scenarios.

Adaptable

- Support PV storage charging scene, microgrid, backup power.
- Rack-mounted modular design, high flexibility for configuration and expansion.

Efficient

- High conversion efficiency & energy utilization rate.

Smart

- Support operation monitoring, energy management, and remote device upgrading.



Commercial and industrial energy storage + emergency power backup



Mobile Energy Storage System



PV storage charging station

TIANWU-300TS Series

Technical Specifications

Model	WH-TIANWU-300TS(DC300)-A	WH-TIANWU-300TS-A
DC Parameters		
Max. Power (kW)	330	
DC Voltage Operating Range (V)	600...950	
Max. DC Current (A)	660	
PV Parameters		
Rated Power (kW)	300	/
Max. Output Power (kW)	330	/
DC Voltage Operating Range (V)	250...545	/
Full Load Operating Voltage Range (V)	315...545	/
Max. Current on the Low-voltage Side (A)	960	/
AC Parameters (on-grid)		
Rated Power (kW)	300	
Max. Output Power (kW)	330	
Rated Output Current (A)	432	
Rated Frequency AC (Hz)	50(±5)	
Rated Voltage AC (V)	400V	
AC Wiring Method	3W+N+PE	
Power Factor	-1...+1	
AC Parameters (off-grid)		
Rated Power (kW)	300	
Rated Voltage (V)	400	
Switch Time (ms)	< 20	
General Data		
Protection Level	IP55	
Inverter Topology	Transformer isolation	
Operating Humidity Range	0...95% (non-condensing)	
Noise (dB)	< 75	
Operating Temperature Range	-20°C...+55°C (derating @ >45°C)	
Cooling Method	Air cooling	
Altitude (m)	2000	
Communication Protocols	RS485/CAN/Ethernet	
Dimensions (W*D*H) (mm)	1750*1350*2300	
Weight (t)	~3	~2.9

*The dimensions and weights in the table are for outdoor models with transformers, and the weight may be adjusted according to changes in the model and module.