



contact details

+86-755-2838 0586

support@wirentech.com

<https://www.wireenergy.net>

Operation center (China) : 905 Bldg 1, Zhongjiankeji Industrial Base, No. 26 Jinxiu West Road, Pingshan district, Shenzhen

Spec Sheet

Specifications		WT-ESS241
Cell		LFP314Ah
Pack		153.6V 314Ah
Rated Voltage		768V(5 modules series)
Battery capacity		314Ah
Rated energy		241.15kWh
Usable energy		229.094kWh
Voltage range		684V~864V
Max.Charging power		100kW
AC On-grid parameters		
Inverter		100KW
Grid Type		3W+N+PE
Rated Charge/Discharge Power		100kW
Rated Grid voltage		400V
Applicable grid frequency		45~55Hz/55~65Hz
Rated current		144A
THDi		<3%
Power factor		1(Leading)~1(Lagging)
AC Off-grid parameters		
Rated Charge/Discharge Power		100kW
Max Output power		110KVA
Rated Grid voltage		AC400V
Rated Frequency		50/60HZ
THDi		≤1% linear; or≤5% nonlinear
Rated current		144A
Photovoltaic input		
Max Input Power		100kW
MPPT Voltage Range		200~650V
General Parameter		
Dimension:W*D*H(mm)		1450mm*1650mm*2210mm
Max. Weight		2750KG
IP Degree		IP54
Operating Temperature Range		-20~50 C
Relative Humidity		0~95%(No condensation)
Maximum operating altitude		4000m(>2000 derating)
Cooling Method		Heat Ventilation Air Conditioner
Noise		≤75dB
System Efficiency		>85%
Firefighting system		Integrated
Communication		Ethernet, Modbus TCP/IP



High cycle life

8000 cycles @70% DoD for effectively lower total of ownership cost.



Longer service life

Low maintenance batteries with stable chemistry.



Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



Better storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



Function

Support parallel operation