

Comercial & Industrial Energy Storage System

TL-IESS-232K~319K



Fire Safety

- pack-degree dual fire suppression



Cell Temperature Difference

- cell temperature difference $\leq 3^{\circ}\text{C}$



IP Rating

- system IP54
- battery pack IP67



Easy Installation

- Modular design, easy to transport and install



Service Life

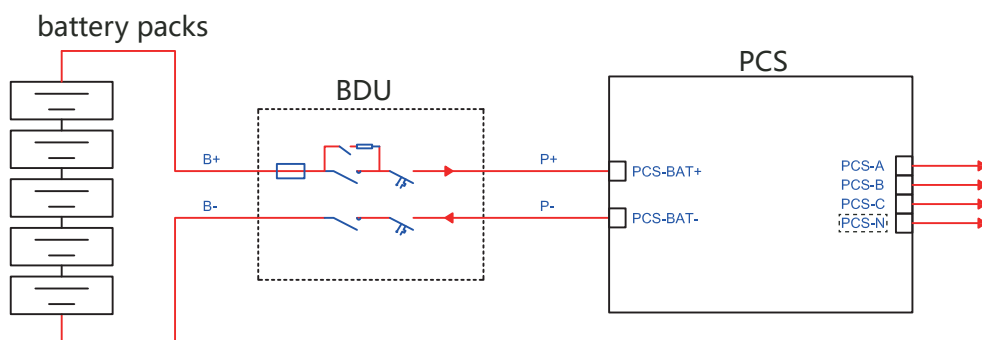
- 20% longer than air cooling system



Smart Management

- inner optimized EMS
- energy management for installer and retailer
- remote firmware upgradation and customised system settings

CIRCUIT DIAGRAM



Item	Specifications			Remarks
DC Side				
Battery Capacity	232kWh	305kWh	319kWh	
Battery Voltage Range	650V ~ 949V DC	780V ~ 1138.8V DC	780V ~ 1138.8V DC	
Battery Cell	3.2V/280Ah	3.2V/306Ah	3.2V/320Ah	
Cycle Life	≥6000 cycles(0.5C@25°)	≥6000 cycles(0.5C@25°)	≥8000 cycles(0.5C@25°)	Retention rate of energy ≥70%
AC Side				
Nominal Power	100kW	125kW		
Max. Output Power	110kW	140kW		
Nominal grid frequency	50/60Hz, ±5Hz	50/60Hz, ±5Hz		
C-Rate	≤0.5C	≤0.5C		
Nominal Grid Voltage	400V AC			
Efficiency				
System Efficiency	≥87%			Exclude energy loss of auxiliary system
General Data				
Thermal management	Smart Liquid Cooling			
Fire Suppression System	Aerosol+Water Fire Suppression System			
AC Side	Load Switch Protection			
DC Side	Fuse Protector+Isolation Switch			
Switch Time	≤100ms{STS switch can be added(10ms)}			
System Control Mode	Remote/Local			
Grid-tied Mode	On/Off Grid			
Communication Interfaces	CAN/4G/WIFI			
Access Mode	AC Inlet/3P4W	AC Inlet/3P3W		
Operating Ambient Temperature	-20°C ~ +55°C			
Relative Humidity	0 ~ 100%RH			
Storage Temperature	-30 °C ~ +60 °C			
Max. Working Altitude	2000m			
IP Rating	IP54			
Weight	2700Kg			
Dimensions	910*1250*2420 (mm)	910*1250*2695 (mm)		
Compliance	CE IEC ROHS FCC			