

UTILITY-SCALE ESS SOLUTION

DEYE WINTER WS SERIES



Ultimate Safety

- 3+3 Fire Protection System
- 3+3 Electrical Safety Safeguards
- AC Leakage & DC Insulation detection
- High-Voltage Interlock



Versatile Applications

- Peak Shaving & Energy Arbitrage
- Virtual Power Plant (VPP) Ready
- Off-Grid & Microgrid Capable
- PV and BESS DC Coupling
- Hybrid Solar-BESS-Diesel Systems



High Energy Density

- 4300kWh in 20' BESS container
- 2250kW PCS, 2880kW PV in 10' container



Seamless Scalability

- Modular Architecture
- Flexible 2/4/6h Energy Storage Solutions
- Compact Design



Smart Cloud Management

- AI-Powered Load Optimization
- 24/7 Remote Monitoring & O&M
- Real-Time Battery Health & Safety Alerts
- Cloud-Connected Ecosystem



Cluster Management

- One cluster management, high availability, more friendly to the cell

IP55

Protection Rating

2880kW

PV DC Coupling

6 Levels

Fire Protection



Model		WS-L4300-BC-3-A
DC Battery		
Battery Type		LiFePO ₄
Nominal Capacity (Cell)		314Ah
Nominal Energy		4340kWh
PACK Configuration		1P48S
RACK Configuration		18 × 1P240S
Nominal DC Voltage		768Vdc
DC Voltage Range		648Vdc ~ 876Vdc
Charge and discharge rate		≤0.5P
Max. Charging / Discharging Current		3150A (18 × 175A)
No. of DC Output		18
System		
Operating Temperature		-30°C ~ +50°C
Storage Temperature		-30°C ~ +60°C
Humidity		0 ~ 95%
Type of cooling		Liquid cooling
Fire Suppression		Aerosol、Water
Ingress Protection		IP55
Anticorrosion grade		C4-M (Optional C5)
Altitude		≤2000m
Communication		CAN、RS485、TCP、DIDO
Weight		38500kg
Dimensions (W × D × H)		6058 × 2438 × 2896mm