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BeEfficient.
BeSustainable.

ORION UE-L261



Bringing Green Energy to Life

All-in-one, efficient, and scalable energy
storage solution.

tdgibernavitas.com

ORION UE-L261 C&I Distributed Liquid Cooling Outdoor Cabinet



Extreme safety

- The selection of lithium iron phosphate battery cells with high thermal stability.
- Pack level fire protection, explosion-proof design.
- Equipped with advanced battery management system (BMS), you can real-time monitor the working state of the battery, to ensure the safe operation of the battery, to extend battery life.

High reliability

- PACK Protection Rating IP67: Waterproof, dustproof, and resistant to spray and condensation; effectively isolates external environmental impact and enhances the safety and reliability of the energy storage system's operation.

Intelligent operation and control

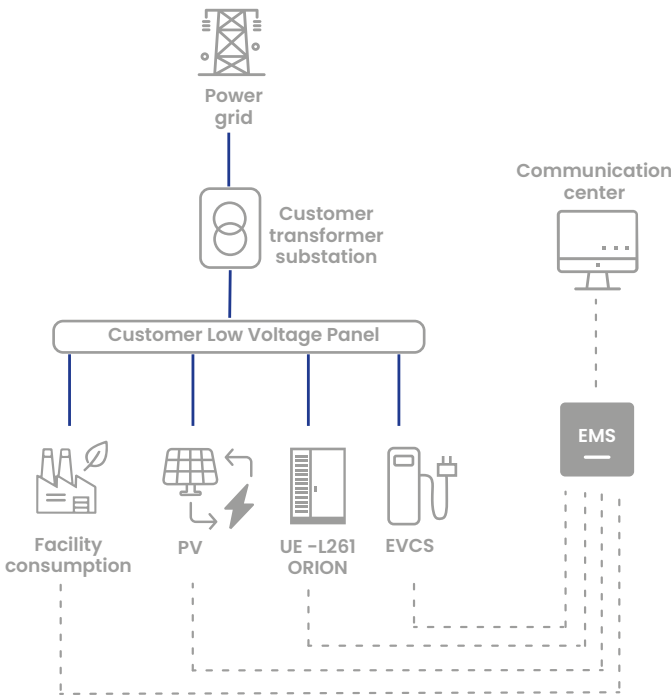
- Remote management: support online intelligent monitoring, reducing the number of manual inspections.
- Support local energy management function, with dynamic tracking and control of demand, peak shaving and valley levelling and other automated operations.

Liquid cooling

- The main advantage of liquid cooling is its high thermal dissipation capacity, maintaining a temperature difference of only $\leq 3^{\circ}\text{C}$. This thermal stability optimizes the efficiency of charging and discharging processes, leading to a longer battery life.

All-in-one AC/DC design

- Compact structure, simplified foundation, optimized construction, and fast installation. Easy connection to the 400 Vac power grid.
- Modular design enables easy parallel installation, adaptable to various scenarios and scalable according to energy demand.



MODEL 125 kW/261 kWh

DC

Cell type	314 Ah (LFP)
PACK Capacity	52.24 kWh (1P52S)
System Capacity	261.24 kWh (1P5S)
Voltage range	728-936 Vdc
Discharge range	0.5 C
Maximum continuous charge/discharge current	188.4 A

AC

Rated Power	125 kW
Maximum Operating Current	Nominal: 182 A Max: 217 A
Nominal mains voltage	400 Vac
Nominal Frequency of the Mains	50 Hz/60 Hz
Total Current Distortion Rate	< 3%
Power Factor	> 0.99
Maximum power	150 kW, 1 min
Maximum PCS efficiency	98.9%

GENERAL

Protection level	IP54
Life cycles	$\geq 8,000$ (@25°C, 95 %DOD, 0.5P EOL 70 %)
Relative humidity	25 ~ 85%
Maximum working height	3,000 m
Anti-corrosion grade	C4-H/C5-H Optional
Fire safety equipment	Aerosol
Operating temperature range	-20°C ~ 50°C
Cooling method	Liquid cooling (PACKs), Air cooling (Inverter)
Dimensions (W x D x H)	980*1300*2325mm
Weight	2.7 t

COMMUNICATIONS

Interface	Ethernet/4G
Protocol	Modbus-RTU/TCP, IEC104

REGULATIONS

CE-LVD, CE-EMC, CB 62619, CB 62040, Rohs, WEEE, UN38.3, NTS Type A B C D, RD 647-2020 RD 413-2014 RD 1699-2011, UNE 217002-2020, P.O.12.2-SENP, UNE 217001

All in one design: PCS, BATTERY, EMS, BMS & firefighting equipment & liquid coolers & power distribution.