

D-Ocean Series

D-Ocean-5016D



D-Ocean-D Series:5.016MWh Liquid-Cooled Centralized DC Battery Cabinet.



Operation Guarantee

- Functional unit compartment design, ensure the best operating temperature of the battery cell, extend the service life
- Thermal management system and battery management system linkage, real-time accurate temperature control, keep the temperature difference in the cabin cell <math><3^{\circ}\text{C}</math>
- Built-in dual fire system, active detection, multi-level prevention and control, efficient fire prevention and reignition
- Container protection level IP54, C4 anticorrosion level, suitable for outdoor harsh environment



Easy Operation & Maintenance

- External maintenance design, fast maintenance of core components
- Battery modular design, more convenient replacement
- Using intelligent visualized 3D cloud image AI technology, saving more than 30% of operation and maintenance time



Safe & Reliable

- Lithium iron phosphate storage battery, higher energy density, longer cycle life
- Battery module protection level IP66, liquid cooling system, real-time, balanced and efficient temperature control system
- Multi-level BMS, multi-sampling point coverage, real-time data feedback, safe and intelligent operation management
- Three level explosion-proof design, greatly reduce the risk of system thermal runaway



Easy Installation

- Battery cluster accessing simple and convenient, plug and play
- Multi-functional unit integrated in a single compartment, easy to install on site
- High degree of integration, factory prefabrication, reducing on-site installation and debugging workload
- The energy density per unit volume is increased more than 80% compared air cooling, saving land area

Model No.**D-Ocean-5016D****Battery Data**

Battery Type		LFP
Battery cell capacity	V/Ah	3.2 / 314
System battery configuration		12×1P416S
System rated capacity	kWh	5016
System rated voltage	V	1331.2
System voltage range	V	1102 ~1500
Charge and discharge ratio	P	≤0.5
Depth of discharge	%	95
Battery cooling system		Liquid cooling

System Data

Dimensions(W×D×H)	mm	6058×2438×2896
Cabinet type	ft	20
Weight	t	~45
Class of protection		IP54
Anticorrosion grade		C4/C5
Installation location		Outdoor installation
Operating temperature range	°C	-30 ~ +50
Relative humidity	%	5 ~ 95
Altitude	m	4000(>2000 Derated)
Battery temperature control mode		Efficient intelligent liquid cooling
Fire protection scheme		Aerosol+ Water fire protection (optional)

Communication

System communication protocol		CAN/ MODBUS/ IEC104/ IEC61850
Communication interface		CAN/ RJ45/ RS485

*The data sheet will be changed according to actual situation without prior notice.(Version 2025.04)

Shanghai Hoenergy Power Technology Co. , Ltd.

www.hoenergypower.com

info@hoenergy.com.cn

