

DH2150Y-BC

The DH2150Y-BC mobile liquid-cooled storage and charging integrated container features a standard 20-foot high-cube design, with a total system capacity of 2.15MWh. It is equipped with a self-developed storage and charging operation management platform, it significantly enhances charging convenience and flexibility, enabling plug-and-play deployment to solve the "last-mile" charging challenge.



Integrated Storage&Charging

DC coupled of ESS and charging, highly compact design to overcome parking space limitations.



Smart&High Efficiency

Dynamically distributes charging power, combined with AI-powered cloud platform management for precise control



Cluster-level Management

Independent management prevents system-wide downtime due to single unit failures and mitigates battery inconsistency issues.



Emergency Backup Power

Supports off-grid operation with plug-and-play deployment, meeting temporary power supply and distributed site requirements.



Ultimate Safety

PACK/cluster/water fire suppression +venting design+3-stage circuit breaking



Simple O&M

Modular design for easy installation, layout, and servicing, and support for online monitoring and O&M

SPECIFICATION

Model		DH2150Y-BC
Battery		
Battery Type	LiFePO ₄	
Battery Capacity	280Ah	
Battery Configuration	1P240S*10	
Rated Current	140A*10	
Max. Current	160A*10	
Voltage Range	696~864Vdc	
Nominal Capacity	2150kWh	
Charging Stack		
Total Power of Charging Stack*	760kW	
Max. Power of Single Gun	150kW	
Max. Current of Single Circuit	250A	
Output Voltage Range	200~1000Vdc	
Output Voltage Error	≤±0.5%	
Number of Charging Gun	6	
Length of Gunline	5m	
Charging Standard	European standard DC fast charging CCS2 (Meets DIN 70121 and ISO 15118 protocols)	
Charging Method	Swipe, Scan, NFC, APP	
HMI	7-inch Touch screen	
System		
Dimension (W/D/H)	6058/2438/2896mm (High Cube)	
Weight	Approx. 28T (TBD)	
Max. Efficiency	≥97% (TBD)	
Temperature	-20~50°C (Derating above 45°C)	
Humidity	0~95%RH (Non-condensing)	
Ingress Protection	IP55	
Anti-corrosion Grade	C3	
Cooling Method	PACK Liquid-cooling, DC/DC Air-cooling	
Elevation	3000m (Derating above 2000m)	
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress, Audible&Visual alarm, Explosion Relief	
Output Protection	Emergency stop, Access control, Water ingress, Over/Under voltage, Overload, Short circuit, Ground, High/Low temperature, Lightning protection, Fire protection	

* When all 6 charging guns are in use, the system prioritizes the earliest connected: 4 at 150kW max and 2 at 80kW.

Model		EPCS1050-EN
AC		
Operating Power Requirements*	230Vac, 50Hz/60Hz, ≥2kW	
Rated Power	100kW*10	
AC Maximum Current	167A*10	
AC Rated Voltage	400Vac	
Wiring Method	3P3L+PE	
Frequency	50Hz/60Hz	
THDi	≤3% (Rated power)	
DC Out		
Rated Power	100kW*10	
Rated Current	140A*10	
Output Voltage Range	615~950Vdc	
Structure		
Dimension (W/D/H)	1515/1200/2250mm	
Weight	Approx. 1400kg (TBD)	
Max. Efficiency	98.50%	
Cooling Method	Air-cooling	

* PCS cabinets need to be connected to the auxiliary power supply separately.

