

DYNES

NEW

DH800Y

Fully liquid-cooled
modular energy storage
system



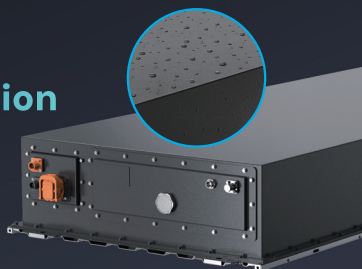
Full liquid cooling

-30°C~50°C wide operating
temperature range



Smart dehumidification

Reduces dew point to
prevent condensation



3+2+1

Safety Protection

PACK/cluster/water fire
suppression + Passive
explosion relief / Active
pressure relief + 2-hour
flame-retardant enclosure



IRR Boost up to

12%



35%

Reduction in
land costs



20%

Lower
maintenance costs



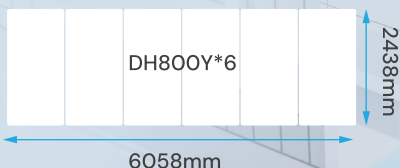
35%

Lower
transportation costs



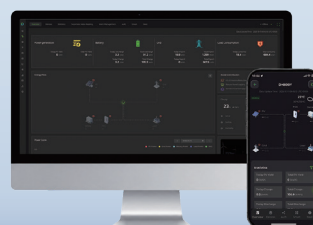
High Energy Density

20ft container
(All-in-one 5MWh solution)
footprint=



Smart Management

Real-time monitoring
& OTA updates



SPECIFICATION

Model	DH800Y-2H		DH800Y-4H	
Battery				
Battery Type	LFP (LiFePO ₄)			
Battery Capacity	314Ah			
PACK Configuration	1P416S*2			
Rated Current	157A*2		78.5A*2	
Max. Current	180A*2		180A	
Voltage Range	1206.4~1497.6Vdc			
Nominal Capacity	836kWh			
On-grid AC Side				
Rated Power	420kW		210kW	
AC Rated Current	352A		176A	
AC Maximum Current	396A		198A	
AC Rated Voltage	690Vac			
Wiring Method	3P3W+PE			
Frequency	50Hz/60Hz			
Power Factor	1(Leading)~1(Lagging)			
THDi	≤3% (Rated power)			
Max. Number Of Parallel Expansions	10		20	
System				
Weight	Battery cabinet: Approx.6800kg (TBD) Electrical cabinet: Approx.1700kg (TBD)		Battery cabinet: Approx.6800kg (TBD) Electrical cabinet: Approx.1600kg (TBD)	
Dimension (W*D*H)	Battery cabinet: 1000*2438*2350mm Electrical cabinet: 1000*2438*965mm			
Max. Efficiency	90%			
Operating Temperature	-30~50°C (Derating above 45°C)			
Operating Humidity	0~95%RH (Non-condensing)			
Ingress Protection	IP55			
Anti-corrosion Grade	C3 (Optional C5)			
Cooling Method	Fully liquid-cooling			
Noise	≤75dB			
Elevation	3000m (Derating above 2000m)			
Display	APP			
Fire Protection	Aerosol, Water fire system, Multi-sensor detector, Water ingress detector, Audible&Visual alarm, Explosion-proof ventilation, Explosion relief			
Communication	Ethernet/4G/RS485/Bluetooth			
Standard	CQC, CE, UL9540A, UN38.3			

