

# DH300Y

DH300Y is Dyness's new generation of high-safety, large-capacity, DC 1000V outdoor liquid-cooled grid-connected cabinet. The single cabinet has a capacity of 312kWh, and supports a maximum of 10 machines in parallel. The double-layer liquid-cooled electric core PACK structure design, integrated AI early warning mechanism, energy efficiency increased by 2%, single machine saves 6 kWh per day, and the return on investment can be increased up to 6%.



## Flexible Expansion

Maximum support for 10 machines in AC parallel, expandable to 3.1MWh; support DC expansion.



## Ultra Safe

Triple-level fire suppression + active exhaust + passive explosion-proof design to eliminate hidden hazards and ensure safe operation.



## Smart Temperature Control

PACK smart Liquid Cooling + PCS smart Air Cooling Technology, cluster-level temperature differences  $\leq 1.5^{\circ}\text{C}$ , energy efficiency improved by 2%



## Ultra-high Level Protection

PACK+PCS IP65,C3/C5 Anti-corrosion grade optional, Handles harsh environments such as high humidity and salt spray corrosion with ease.



## Intelligent O&M

AI+ Intelligent digital monitoring platform, Proactive strategy optimization and troubleshooting

# Specification

Model	DH300Y
<b>Battery</b>	
Battery Type	LiFePO <sub>4</sub>
PACK Configuration	1P52S
PACK Quantity	5 PACK/Cluster
Rated Current	300A
Max. Current	375A
Voltage Range	754~936Vdc
System Capacity	312kWh
<b>AC (On-grid)</b>	
Rated Power	125kW*2
AC Maximum Current	400A
AC Rated Voltage	400Vac
Wiring Method	3P4L+PE
Frequency	50Hz/60Hz
Power Factor	0.8 (Leading)~0.8 (Lagging)
THDi	≤3% (Rated power)
<b>System</b>	
Weight	Approx. 3200kg (TBD)
Dimension (W/D/H)	1560/1400/2480mm (TBD)
Max. Efficiency	≥88% (TBD)
Liquid-cooling Power	10kW (Cooling) (TBD)
Temperature	-20~50 °C (Derating above 45 °C)
Humidity	0~95%RH (Non-condensing)
Ingress Protection	IP55
Anti-corrosion Grade	C3/C5
Cooling Method	Battery Liquid-cooling + PCS Air-cooling
Noise	≤75dB (TBD)
Elevation	3000m (Derating above 2000m)
Display	Touch screen
Fire Protection	Aerosol (Optional Perfluorohexanone)
Communication	Ethernet/4G/RS485
Certification	CQC, CE, TUV

