

DH100F Series

All-in-one PV+ESS

All-in-one air cooling energy storage system with 71~100kWh available for a single unit, suitable for big house and small commercial and industrial applications. Supports full scenario with functions like timed scheduling, peak shaving, PV self generation and consumption and so on.



Full-scenario

All-in-one multifunctional integration, supporting PV and generator access, grid-to-off-grid switching.



Ultimate security

Preventative fire strategy with three-level detection and TMG which ensure active firefighting remains effective in the event of a power outage.



Flexible expansion

71~100kwh capacity available for single unit;
Reserved DC expansion interface;
Support AC expansion;



Highly efficient and low-cost

280Ah LFP battery with high energy density.
EMS Intelligent control;
Modular design, backward and bottom output, reduce infrastructure cost

Technical Specifications

Model	DH100F-71kWh	DH100F-86kWh	DH100F-100kWh
Battery			
Battery Type	LFP (280Ah)		
Rated current	140A (0.5C)		
System capacity	71kWh	86kWh	100kWh
AC (on-grid/off-grid)			
Rated power	35kW	40kW	50kW
AC rated current	60A	74A	86A
AC rated voltage	230/400V		
Wiring method	3P+N+PE		
Frequency	50Hz/60Hz		
PV access			
Max. input power	25kW *2	30kW *2	35kW *2
Max. current	80A*2		
Input voltage	300~1000V		
MPPT paths	2		
System			
Dimension (W*D*H)	1200*1048*2258 mm (Lifting ring not included)		
Weight	Approx. 1650kg(TBD)		
Temperature	-20~50℃		
Ingress protection	IP55		
Anti-corrosion grade	C3		
Elevation	3000m (Derating above 2000m)		
Cooling method	Air cooling		
Communications	Ethernet/RS485/CAN/USB		