

DH100F Series

All-in-one PV+ESS

Product features



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.



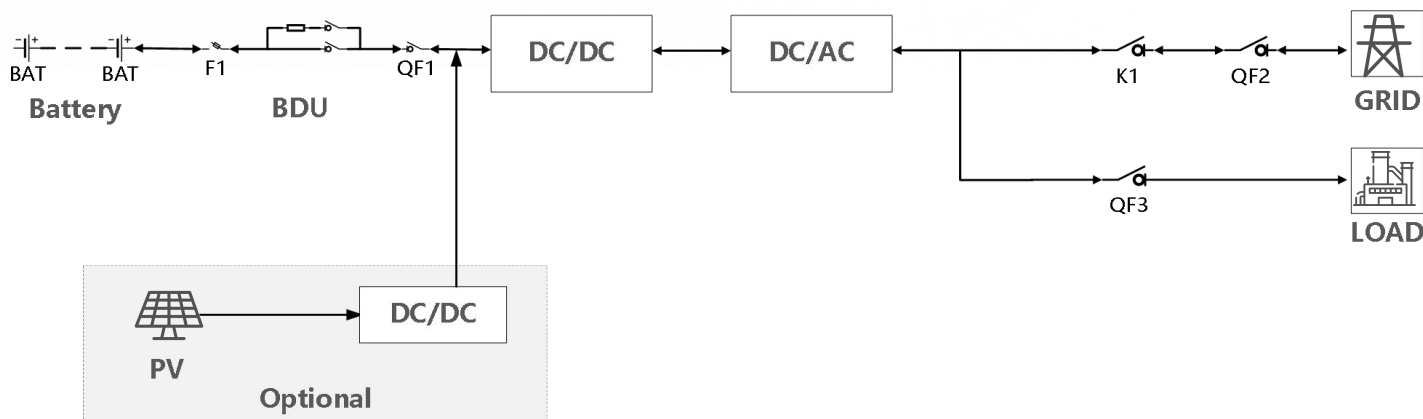
Flexible expansion

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, backwards output method, reduce infrastructure cost



System parameters

Model	DH100F-71kWh	DH100F-86kWh	DH100F-100kWh
Battery system specification parameters:			
Battery type	LFP (LiFePO4)		
Battery capacity	280Ah		
Pack configuration	1P16S		
Rated current	140A (0.5C)		
Max. current	160A		
PACKquantities	One cluster/5Pack	One cluster/6Pack	One cluster/7Pack
System capacity	71kwh	86kwh	100kwh
AC specification parameters (on-grid):			
Rated power	35kW@45°C	43kW@45°C	50kW@45°C
Max. AC current	60A	74A	86A
AC rated voltage	400Vac		
Wiring method	3P+N+PE		
Frequency	50Hz/60Hz		
Power factor	0.8 (leading) ~0.8 (lagging)		
THDi@full power	< 3%		
AC specification parameters (off-grid):			
Rated power	35kVA	43kVA	50kVA
Max. AC current	60A	74A	86A
AC rated voltage	400Vac		
Wiring method	3P+N+PE		
Frequency	50Hz/60Hz		
Unbalanced load carrying	100%		
THDv@Liner Load	< 3%		
PV access			
Max. input power	25kW*2	30kW*2	35kW*2
Max. current	80A*2		
Max. short-circuit current	100A*2		
Max. voltage	1000V		
Start-up voltage	310V	370V	430V
Input voltage	300~1000V	300~1000V	350~1000V
MPPT paths	2		
System specification:			
Dimension (W*D*H)	1200*1048*2258 mm (TBD, lifting ring not included)		
Weight	Approx. 1650kg(TBD)		
Temperature	-20~50°C (derating above 45°C)		
Humidity	0~95% (no condensing)		
Ingress protection	IP55		
Anti-corrosion grade	C3		
Noise	≤70dB (TBD)		
Elevation	3000m (Derating above 2000m)		
Cooling method	Air cooling		
Display	Touch screen(7 inch)		
Fire protection	Aerosol		
EMScommunications	Ethernet/RS485/4G		
Standards	CE, TUV		