

# DH100F

DH100F features an integrated multi-functional design that supports PV access and on-and-off-grid switching. It encompasses the whole scenario of photovoltaic, storage and diesel generator use. The single cabinet capacity of 71/86/100kWh optional, allowing for customization based on electricity consumption needs. This system is ideal for office parks, commercial buildings, charging stations, and other small industrial and commercial applications.



## Flexible Expansion

Single cabinet capacity of 71/86/100kWh optional, supports both on-grid and off-grid AC parallel operation



## Simple O&M

Modular design, bottom outlet, easy to install and maintain



## IP55 + C3

Fearless of outdoor installation, high environmental adaptability



## Safe & Reliable

Three-level fire detection + active venting+ passive explosion-proof design to eliminate hidden hazards and ensure safe operation



## Full-scenario

Supporting PV connection, on-and-off-grid switching, covering the whole scenario of photovoltaic, energy storage and diesel generator use

# SPECIFICATION

Model	DH100F-C70		DH100F-C80		DH100F-C100	
Battery						
Battery Type	LiFePO <sub>4</sub>					
Battery Capacity	280Ah					
Rated Current	140A					
Max. Current	160A					
PACK Configuration	1P16S*5		1P16S*6		1P16S*7	
Voltage Range	232~288Vdc		278.4~345.6Vdc		324.8~403.2Vdc	
Nominal Capacity	71kWh		86kWh		100kWh	
On-grid AC Side						
Rated Power	35kW		40kW		50kW	
AC Maximum Current	61A		69A		86A	
AC Rated Voltage	400Vac					
Wiring Method	3P4L+PE					
Frequency	50Hz/60Hz					
Power Factor	0.8 (Leading)~0.8 (Lagging)					
THDi	< 5% (Rated power)					
Off-grid AC Side						
Rated Power	35kVA		40kVA		50kVA	
AC Maximum Current	61A		69A		86A	
AC Rated Voltage	400Vac					
Wiring Method	3P4L+PE					
Frequency	50Hz/60Hz					
Unbalanced Load	100%					
THDv	< 3% (Liner load)					
Photovoltaic (Optional)						
Max. Input Power	25kW*2		30kW*2		35kW*2	
Max. Input Current	80A*2					
Short-circuit Current	100A					
Max. Voltage	1000Vdc					
Input Voltage Range	300~1000Vdc		350~1000Vdc		400~1000Vdc	
Start-up Voltage	375Vdc		440Vdc		500Vdc	
MPPT Path	2					
System						
Weight	1500±100kg		1600±100kg		1700±100kg	
Dimension (W/D/H)	1200/1205/2260mm					
Max. Efficiency	84%					
Air Conditioner Power	2kW (Cooling), 1kW (Heating)					
Operating Temperature	-20~50℃ (Derating above 45℃)					
Operating Humidity	0~95%RH (Non-condensing)					
Ingress protection	IP55					
Anti-corrosion Grade	C3					
Cooling Method	Air cooling					
Noise	≤75dB					
Elevation	3000m (Derating above 2000m)					
Display	Touch screen					
Fire Protection	Aerosol, Multi-sensor, Water ingress detector, Explosion-proof ventilation					
Communication	Ethernet/4G/RS485					
Certification	CE, LVD, UN38.3					

