

DH100F

DH100F features an integrated multi-functional design that supports PV access and on-grid to off-grid switching. It encompasses the whole scenario of photovoltaic, storage and diesel generator. 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.



Safe & Reliable

Three-stage detection + active exhaust + passive explosion-proof design to eliminate hidden hazards and ensure safe operation.



IP55 +C3

Fearless of outdoor installation, strong environmental adaptability



Simple O&M

Modular design, rear outlet and lower outlet mode, easy to install, easy to layout, easy to maintain, and support for online monitoring and O&M



Full-scenario

Supporting PV access, on-grid to off-grid switching, covering the whole scenario of photovoltaic, storage and diesel generator

Specification

Model	DH100F-C70	DH100F-C80	DH100F-C100
Battery			
Battery Type	LiFePO ₄		
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	60A	74A	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	60A	74A	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°C (Derating above 45°C)		
Operating Humidity	0~95%RH (Non-condensing)		
Ingress protection	IP55		
Anti-corrosion Grade	C3		
Cooling Method	Air cooling		
Noise	≤70dB		
Elevation	3000m (Derating above 2000m)		
Display	Touch screen		
Fire Protection	Aerosol, Multi-sensor/Water ingress, Explosion-proof ventilation		
Communication	Ethernet/4G/RS485		
Certification	CE, LVD, UN38.3		

