DH200F

NEW

PV+ESS All-in-one Cabinet

All-in-one design, integrated with PV. ESS and D.G., smart air-cooled heat dissipation, single cabinet capacity of 215kWh. Suitable for industrial and commercial scenarios, which supports functions like timed scheduling, peak-shaving, PV self-generation & consumption and so on.

Ultimate Security

Prevention-oriented fire protection strategy, three-level detection + multiple extinguishing agents + EMS inteligent judgement.

Full-scenario

All-in-one multi-functional integration, supporting PV access, on-grid to off-grid switching, covering the whole scenario of photovoltaic, storage and diesel generator.

Flexible and Eefficient

Intelligent and efficient STS can be equipped, and the switching time between on-grid and off-grid is less than 20ms; Maximum support for 12 machines in AC parallel, expandable to 2.5MWh.

Technical Parameters

Battery

Battery Type	LFP (LiFePO4)
Battery Capacity	280Ah
PACK Configuration	1P16S
PACK Quantity	15 PACK/Cluster
Rated Current	140A
Max. Current	160A
Voltage Range	672~864Vdc
Nominal Capacity	215kWh

AC (On-grid)：

Rated Power	100kW
AC Maximum Current	167A
AC Rated Voltage	400Vac
Wiring Method	3P4L+PE
Frequency	50Hz/60Hz
Power Factor	1(Leading)~1(Lagging)
THDi	≤3% (Rated power)
Max. Number Of Parallel Expansions	12

AC(Off-grid)：

Rated Power	100kW
AC Rated Voltage	400Vac
AC Maximum Current	167A
Wiring method	3P4L+PE
Frequency	50Hz/60Hz
Unbalanced Load	100%
THDv	< 3% (Liner load)
Max. Number Of Parallel Expansions	5

Photovoltaic

Max. Input Power	50kW (Power 1.1 times overload)
Max. Input Current	100A
Short-circuit Current	150A
Max. Voltage	670Vdc
Input Voltage	200-670Vdc
MPPT Path	0~3

System

Weight	2800±100kg
Dimension (W*D*H)	1850*1265*2250mm
Max. Efficiency	≥87%（TBD）
Air Conditioner Power	3kW (Cooling), 1kW (Heating)
Temperature	-20~50℃(Derating above 40℃)
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/Perfluorohexanone
Communication	Ethernet/4G/RS485
Certification	CQC, CE, TUV