



DPX-20051 - PHE125

HYBRID ENERGY SYSTEM

SPECIFICATION



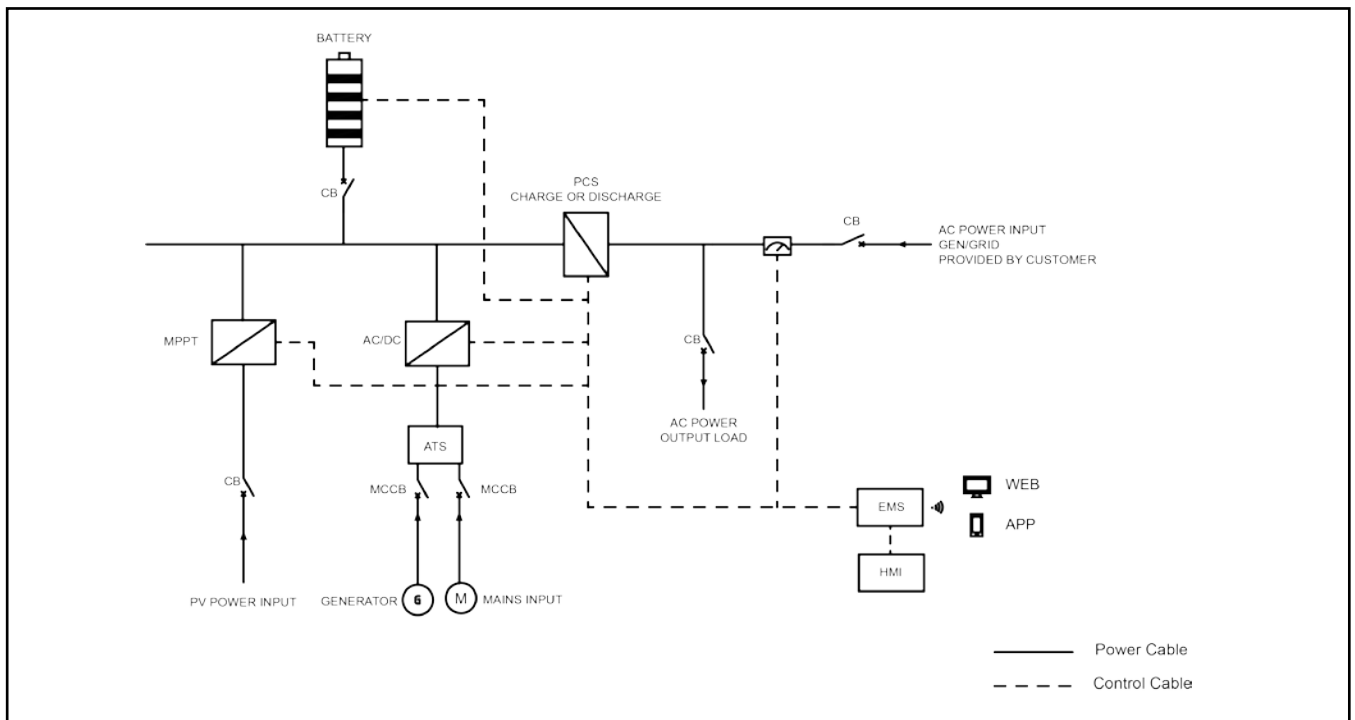
PHE125 Hybrid Energy System				
Item	Unit	Data		
Voltage	AC V	380	400	415
Max. output power	kVA/kW	138/138	138/138	138/138
Max. current	A	210	199	192
Continuous output power	kVA/kW	125/125	125/125	125/125
Continuous current	A	190	180	174
Frequency	Hz	50		
Phase	P	3		
Power factor	PF	1		
Dimensions	mm	2900x1300x1600		
Dry weight	kg	4000		
40' Loading	Qty	4		
Noise level(hybrid mode)	dBA@7m	60		
Noise level(battery mode)	dBA@7m	55		
Ambient temperature		-20℃-50℃		
Power connection input		AC socket: 3P/5W, 1x125kW DC socket: 1x50kW AC socket: 3P, 1x60kW		
Power connection output		AC socket: 3P/5W, 1x125kW		
Certification standards		    UN 38.3 IEC 62619 IEC 62477 IEC / EN 60529 EN 61000-6-1 EN 61000-6-2 EN 61000-6-3 EN 61000-6-4 CE Declaration of Conformity		

The technical data is measured in standard conditions:

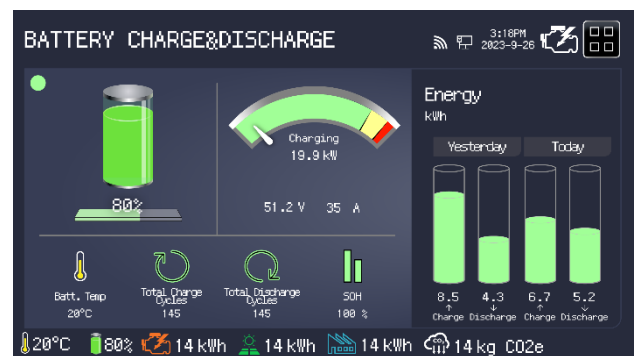
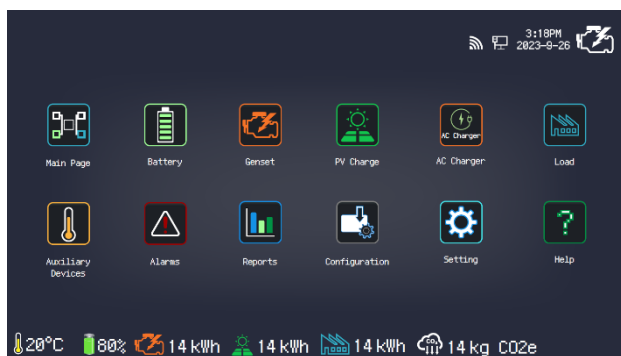
- Absolute atmospheric pressure: 100kPa
- Ambient temperature: 25℃
- Relative air humidity: 30%

Note: If the on-site operating environment changes, the parameters on the specification will change accordingly.

System Working Principle



Intelligent Energy Management



DC/AC System		
Rated power	kVA/kW	2x130
Output voltage	AC V	380/400/415
3P AC charger	kVA/kW	1x60
Parallel / On-grid function		Parallel: ☒ ; On-grid: ☒

PV System		
Rated power	kWp	1x50
Input voltage	DC V	150-750
NOTE: Solar panels are optional.		

Diesel Generator System		
Engine brand / model		Cummins
Rated power	kW	45
Fuel Tank Capacity	L	300

Battery System		
Battery type		LiFePO4
Battery capacity	kWh	237
Rated voltage	DC V	832
Cooling system		Liquid-cooled
Max charging rate		1C
Max discharging rate		1C
DOD (depth of discharge)		Default 80% (set via SOC)
NOTE: The discharge power decreases as the battery SOC decreases.		

Control System		
HMI control panel	inch	10.3" Touchscreen
Communication interface		WAN/WIFI/SIM
Cloud services		APP/WEB

* Data is subject to change without prior notice as new products are always developed.

Please contact your local agent with any doubts or for more information.