



DPX-20055 - PHE500

HYBRID ENERGY SYSTEM

SPECIFICATION



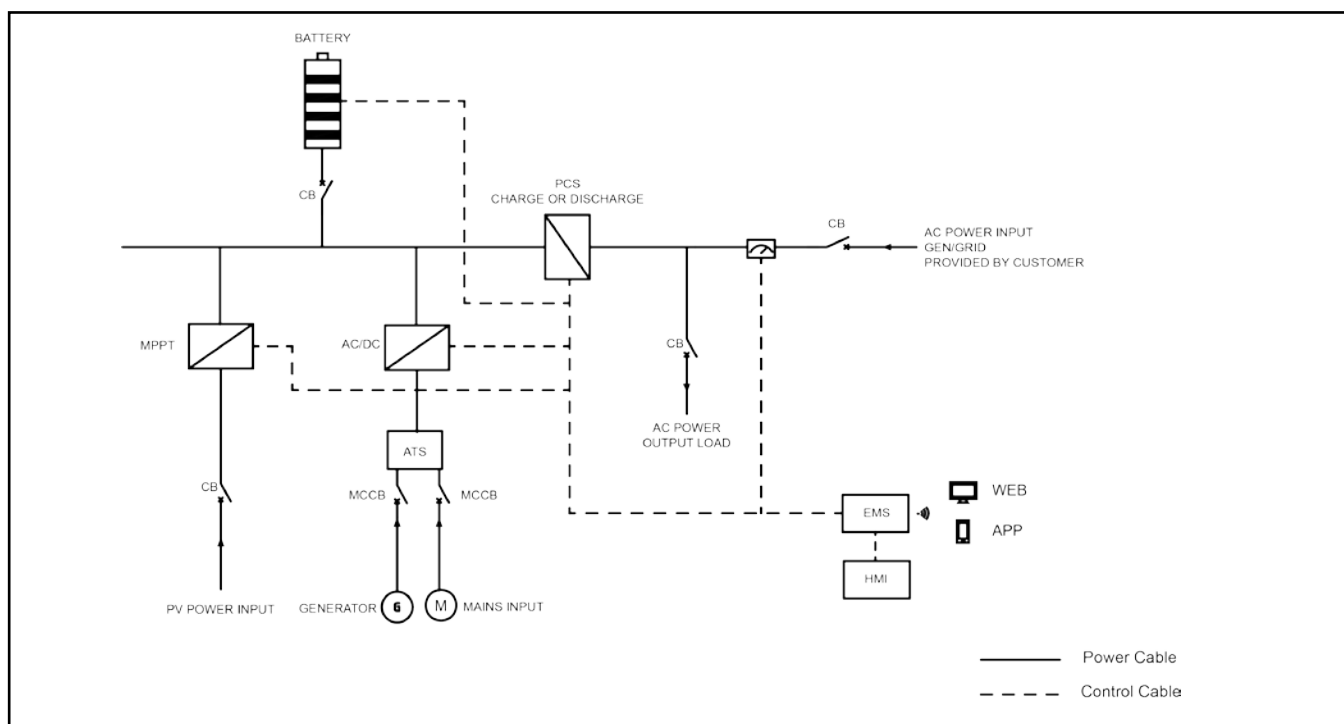
PHE500 Hybrid Energy System				
Item	Unit	Data		
Voltage	AC V	380	400	415
Max. output power	kVA/kW	550/550	550/550	550/550
Max. current	A	836	794	765
Continuous output power	kVA/kW	500/500	500/500	500/500
Continuous current	A	760	722	696
Frequency	Hz	50		
Phase	P	3		
Power factor	PF	1		
Dimensions	mm	5300×2100×2450		
Dry weight	kg	13000		
40' Loading	Qty	2		
Noise level(hybrid mode)	dBA@7m	65		
Noise level(battery mode)	dBA@7m	55		
Ambient temperature		-20℃-50℃		
Power connection input		AC socket: 3P/5W, 1x500kW DC socket: 3x50kW AC socket: 3P, 1x60kW		
Power connection output		AC socket: 3P/5W, 1x500kW		
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:

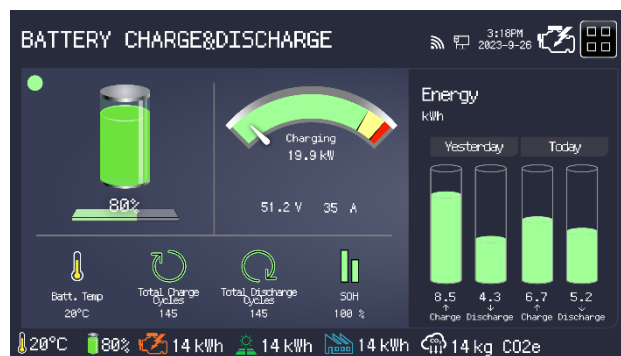
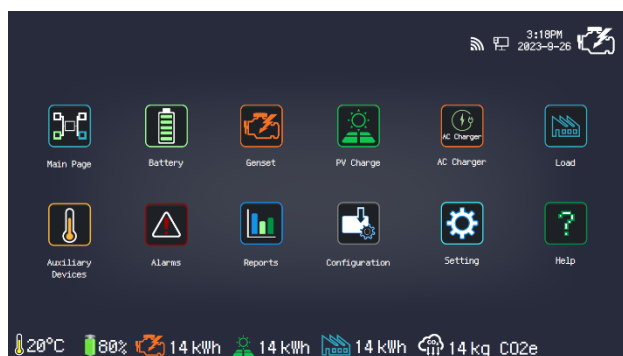
- Absolute atmospheric pressure: 100kPa
- Ambient temperature: 25℃
- Relative air humidity: 30%

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	4x130
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	3x50
Input voltage	DC V	150-750
NOTE: Solar panels are optional.		

Diesel Generator System		
Engine brand / model		Cummins
Rated power	kW	100
Fuel Tank Capacity	L	800

Battery System		
Battery type		LiFePO4
Battery capacity	kWh	1040
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	13" 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.