





PHE500

PORTABLE HYBRID ENERGY SYSTEM

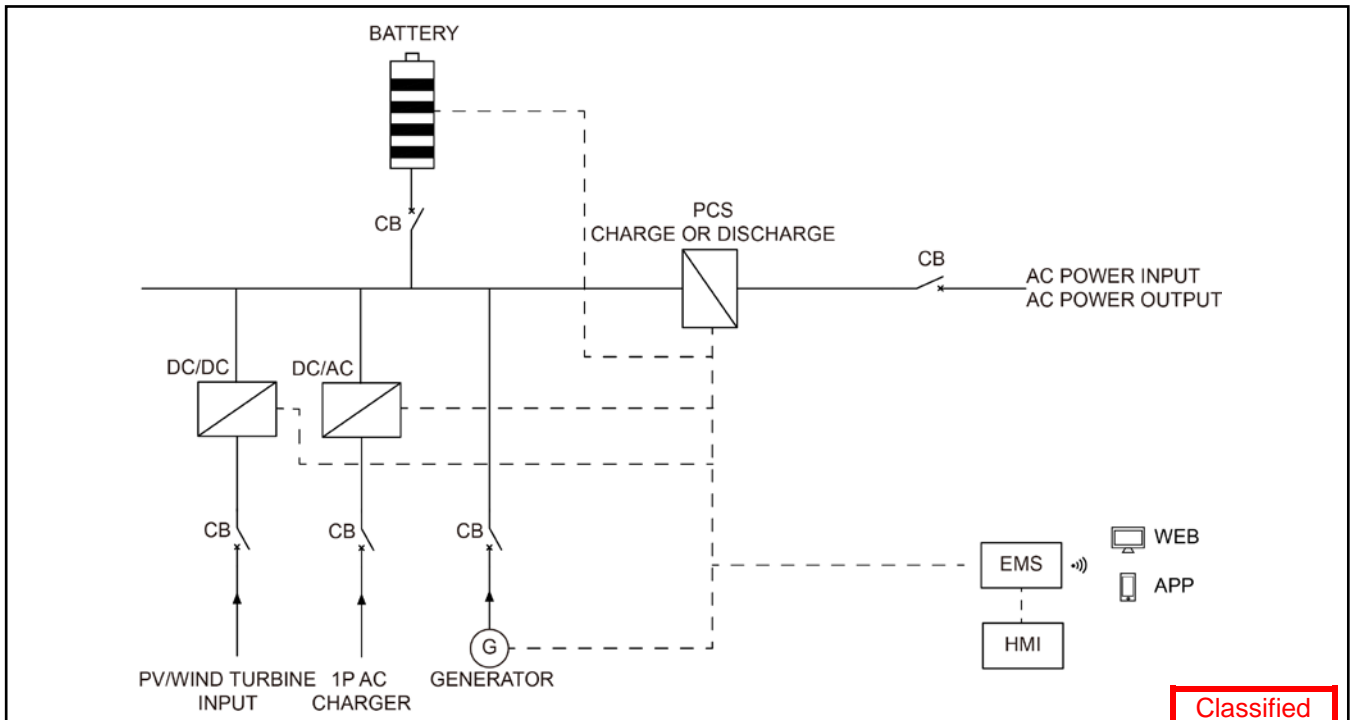
SPECIFICATION



PHE500 Portable Hybrid Energy System				
Item	Unit	Data		
Output power	kVA/kW	500/500		
Frequency	Hz	50		
Phase	P	3		
Power factor	PF	1		
Dimensions	mm	5200×2300×2500		
Dry weight	kg	17000		
40' Loading	Qty	2		
Protection class		IP54		
Noise level	dBA@7m	58		
Voltage	AC V	380	400	415
Current	A	760	722	696
Wiring port		L1、L2、L3、N、PE		
Voltage regulation range		±1%		
Load adaptation characteristics		Inductive load, resistive load		
Power connection input		AC socket & busbar: 3P/4W, 1x500kW DC socket: 1x100kW AC socket: 1P		
Power connection output		AC socket & busbar: 3P/4W, 1x500kW AC socket: 1P		
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		

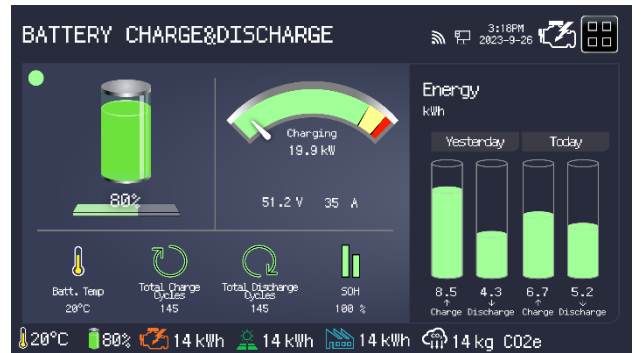
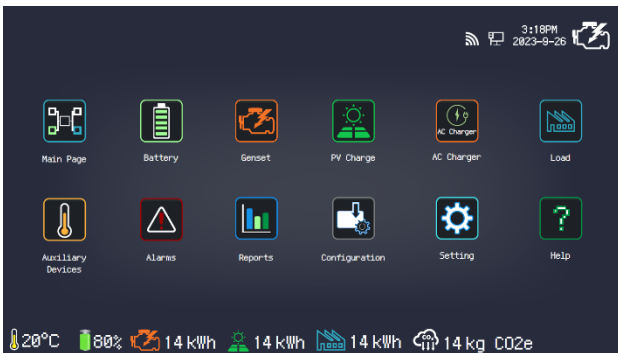
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System Working Principle



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Intelligent Energy Management



DC/AC System		
Rated power	kVA/kW	500/500
Output voltage	AC V	380/400/415
1P AC charger	kVA/kW	10/10

PV System		
Rated power	kWp	100
Input voltage	DC V	541-749
NOTE: Solar panels are optional.		

Diesel Generator System		
Engine brand / model		Cummins
Rated power	kW	80
Rated voltage	DC V	541-749
Fuel Tank Capacity	L	1000

Battery System		
Battery type		LiFePO4
Battery capacity	kWh	832
Rated voltage	DC V	665.6
Cooling system		Liquid-cooled
Max charging rate		1C
Max discharging rate		1C
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 POWERLINK or local agent with any doubts or for more information.

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