



DPX-20041 - PES100

HYBRID ENERGY SYSTEM

SPECIFICATION



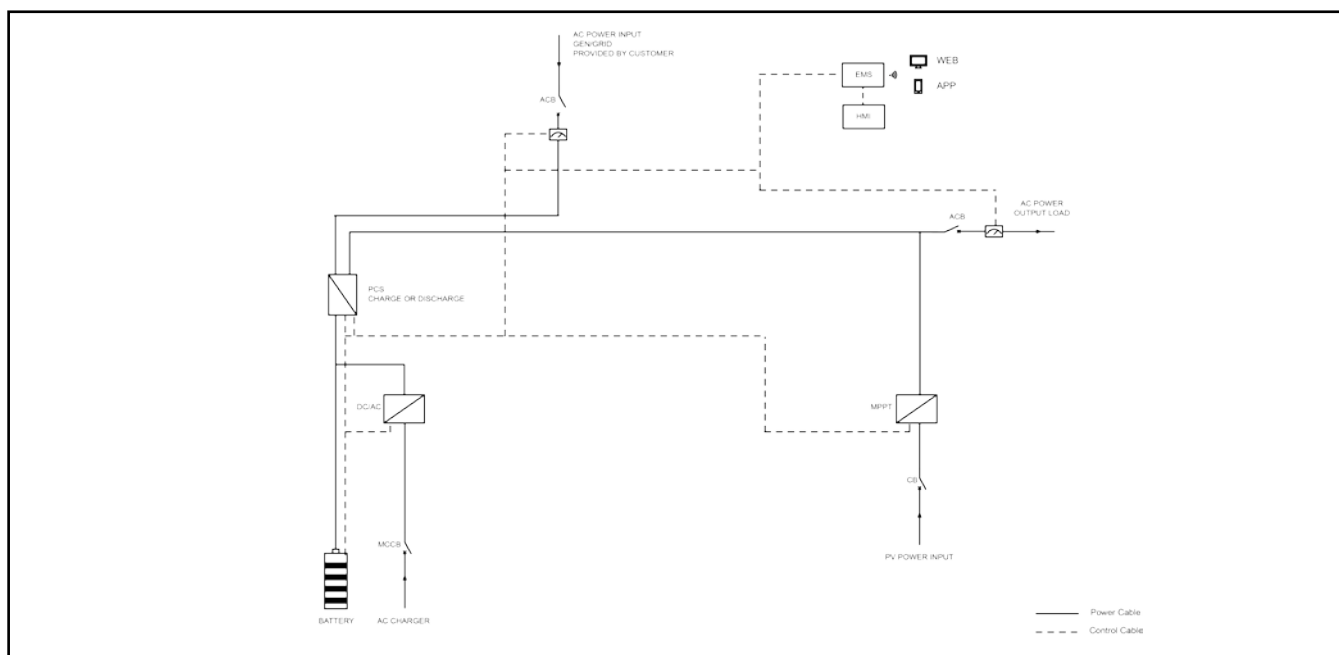
PES100 Hybrid Energy System							
Item	Unit	Data					
Max. ambient temp.	℃	50			40		
Discharge ratio	C-rate	0.5	0.75	1	0.5	0.75	1
Discharge power	kW	50	75	100	50	75	100
Continuous discharge duration*	min	Unlimited	60	30	Unlimited		50
Charge power	kW	Automatic control according to changes in battery temperature			Automatic control according to changes in battery temperature		
Continuous charge duration*	min	Unlimited			Unlimited		
Max.charge power (AC Charger)	kW	1x30					
Continuous charge duration* (AC Charger)	min	Unlimited					
Voltage	V	380/400/415					
Frequency	Hz	50					
Phase	P	3					
Power factor	PF	1					
Dimensions	mm	2250×1350×2250					
Dry weight	kg	3701					
40' Loading	Qty	8					
Protection class		IP54					
Noise level	dBA@7m	58					
Wiring port		L1、L2、L3、N、PE					
Power connection input		AC socket: 3P/5W, 1x100kW, 1x30kW AC copper: 3P/4W, 100kW DC socket: 60kW					
Power connection output		AC socket: 3P/5W, 1x100kW AC socket: 1P, 1x16A; 3P, 1x32A AC copper: 3P/4W, 100kW					
Certification standards		   UN 38.3 PASSED CE UN 38.3 IEC 62619 IEC 62477 IEC / EN 60529 EN 61000-6-1/2/3/4 CE Declaration of Conformity					

* These data are based on standard test conditions: the initial temperature of the battery is ≤30°C.

Intelligent Energy Management



System Working Principle



DC/AC System

Rated power	kVA/kW	125/125
Output voltage	AC V	380/400/415
AC charger power	kW	1x30
Parallel / On-grid function		Parallel: ☒ ; On-grid: ☒

PV System

Rated power	kWp	60
Input voltage	DC V	200-1000

NOTE: Solar panels are optional.

Battery System

Battery type		LiFePO4
Battery capacity	kWh	115.2
Rated voltage	DC V	768
Cooling system		Air-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.