



DPX-20040 - PES60

HYBRID ENERGY SYSTEM

SPECIFICATION



PES60 Residential Energy Storage System				
Item	Unit	Data		
Voltage	AC V	380	400	415
Max. output power	kVA/kW	72/72	72/72	72/72
Max. current	A	109	104	100
Continuous output power	kVA/kW	60/60	60/60	60/60
Continuous current	A	91	87	83
Overload capability		110% last 10mins, 120% last 1min (SOC>30%, AT<45°C)		
Frequency	Hz	50		
Phase	P	3		
Power factor	PF	1		
Dimensions	mm	1600 x 1100 x 1600		
Dry weight	kg	3000		
40' Loading	Qty	14		
Noise level	dBA@7m	50		
Ambient temperature		-20°C-50°C		
Power connection input		AC socket: 3P/5W, 1x60kW, 1x30kW AC copper: 3P/4W,60kW DC socket: 60kW		
Power connection output		AC socket: 3P/5W, 1x60kW AC socket: 1P, 1x16A; 3P, 1x32A AC copper: 3P/4W, 60kW		
Certification standards		 UN 38.3  IEC 62619  IEC 62477  IEC / EN 60529 EN 61000-6-1/2/3/4 CE Declaration of Conformity		

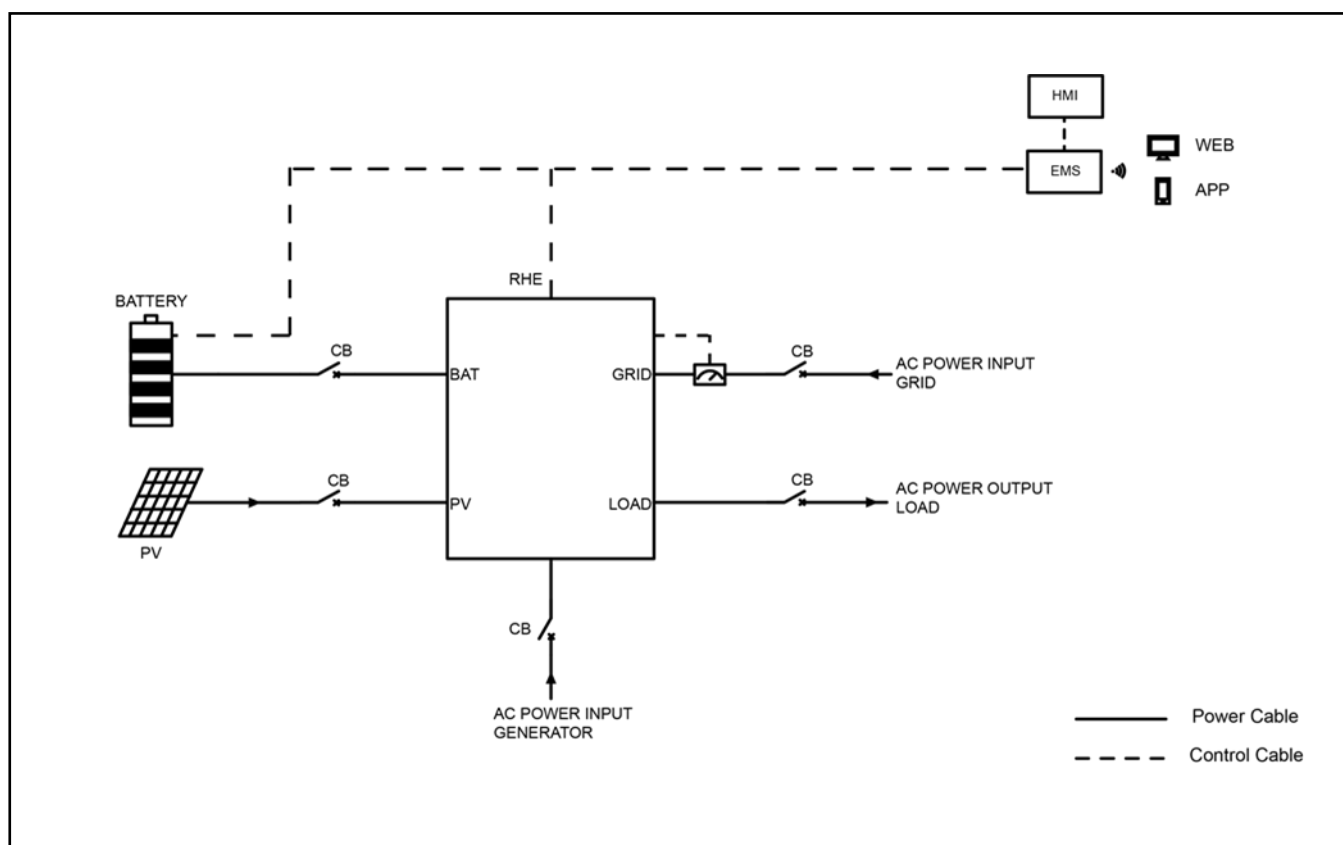
* These data are based on standard test conditions: the initial temperature of the battery is $\leq 30^{\circ}\text{C}$.

The technical data is measured in standard conditions:

- Absolute atmospheric pressure: 100kPa
- Ambient temperature: 25°C
- 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	60/60
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
Rated voltage	DC V	200-800
NOTE: Solar panels are optional.		

Battery System		
Battery type		LiFePO4
Battery capacity	kWh	92
Rated voltage	DC V	614
Cooling system		Air-cooled
Max charging rate		1C
Max discharging rate		1C
DOD (depth of discharge)		Default 80% (set via SOC)
NOTE: 1. The discharge power decreases as the battery SOC decreases. 2. The battery capacity can be expanded up to 115kWh. 3. Equipped with air-conditioning for cooling.		

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.