



DPX-20064 - BES50S3 - 82.9 kWh

ALL-IN-ONE ENERGY SYSTEM

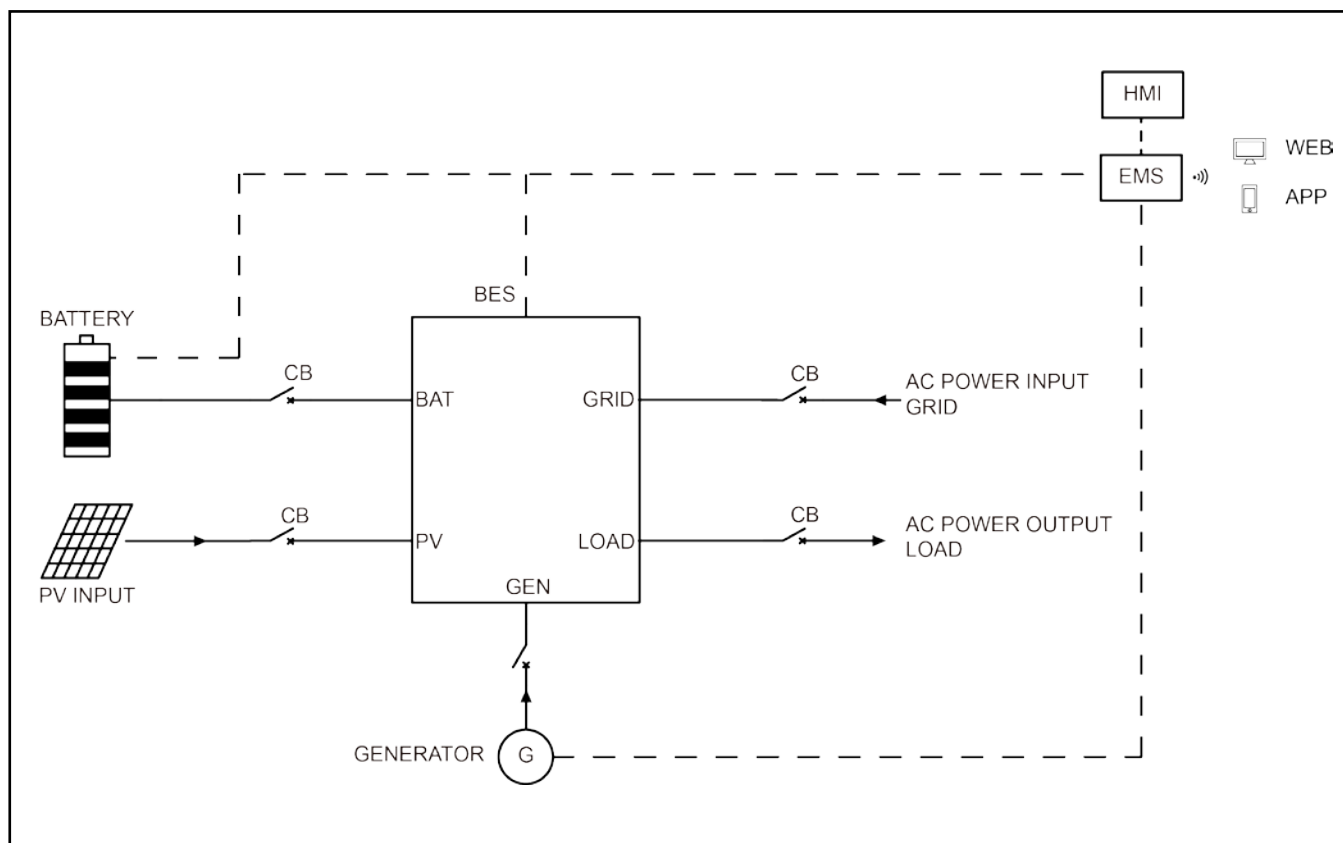
SPECIFICATION



BES50S3 Battery/Solar/Diesel All-in-one Energy System

Item	Unit	Data		
Voltage	AC V	380	400	415
Max. output power	kVA/kW	60/60	60/60	60/60
Max. current	A	91	87	83
Continuous output power	kVA/kW	50/50	50/50	50/50
Continuous current	A	76	72	70
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	2300 x 1450 x 2570		
Dry weight	kg	3250		
40' Loading	Qty	8		
Noise level(hybrid mode)	dBA@7m	58		
Wiring port		L1、L2、L3、N、PE		
Power connection input		3P Socket Busbar		
Power connection output		3P Main load socket Busbar 1P Socket		
Certification standards		    UN 38.3 IEC 62619 IEC 62477 IEC / EN 60529 EN 61000-6-1/2/3/4 AS 4777.2 G99 CE Declaration of Conformity		

System working principle



Intelligent Energy Management



DC/AC System		
Rated power	kVA/kW	50/50
Output voltage	AC V	380/400/415

Grid Power Input		
Rated power	kVA/kW	50/50
Phase	P	3

PV System		
MPPT rated power	kWp	65
Rated voltage	DC V	150-850
Solar panel voltage	DC V	245
Solar panel capacity	kWp	3.5

Battery System		
Battery type		LiFePO4
Battery capacity	kWh	82.9
Rated voltage	DC V	614
Cooling system		Liquid-cooled
Max charging rate		1C
Max discharging rate		1C
NOTE: The discharge power decreases as the battery SOC decreases.		

Diesel Generation System		
Engine brand / model		Perkins / 1104D-TG2
Alternator brand		Stamford or equivalent
Rated power	kVA/kW	60/48
Rated voltage	AC V	415
Phase	P	3
Fuel tank capacity	L	200

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 POWERLINK or local agent with any doubts or for more information.

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