BST 电科电源

UN38.3 FC UL IEEE

All-In-One Residential Energy Storage System

- ★ Seamlessly AC Coupling
- ★ BST Cloud for Remote Monitoring

Flexible Expansion

Can support 4 units in parallel
Total capacity up to
20.48kWh/40.96kWh

Effortless Installation

Support wall-mounted,
floor-standing installation,
<30dB noise

IP67 Protection

Enhanced durability with
IP67 rating,
can be placed outdoors

Safety& Long Life

LFP battery,6000 times cycle life
10-year warranty

Smart Communications

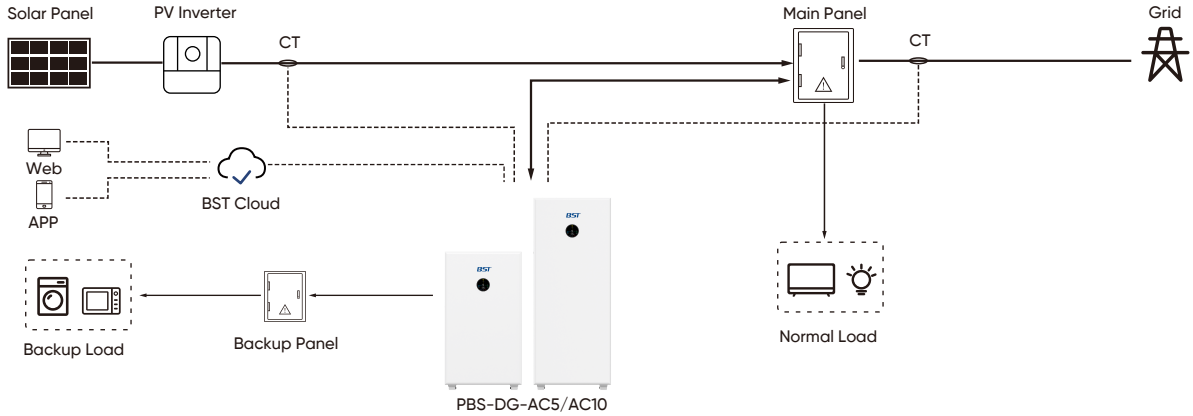
Support WiFi/RS485/CAN
communication

OEM/ODM

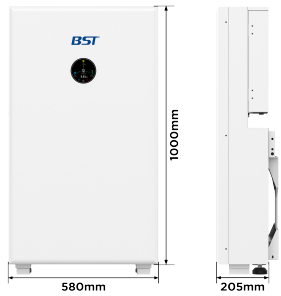
Appearance and display
can be customised

AC-Coupled Storage System

www.bstess.com



Model		PBS-DG-AC5	PBS-DG-AC10
Grid (Output)	Nominal AC Output Power	3000W	5000W
	Max.Continuous Current	14.7A	24.5A
	Rated AC Voltage	120V/240Vac	
	Rated Grid Frequency	60Hz	
	Power Factor	0.85 leading~0.85 lagging	
	THDI	<3%	
	Grid Connection	Split phase,L1+L2+N	
Battery	Battery Type	LiFePO4	
	Rated Voltage	51.2Vdc	
	Rated Capacity/Energy	100Ah/5.12kWh	200Ah/10.24kWh
	Max.Charge/Discharge Current	80A/80A	120A/120A
	Cycle Life	6000 times(80%DoD)	
	Designed Life	10 years	
Backup (Output)	Nominal AC Output Power	3530VA	5880VA
	Max.AC Output Current	14.7A/14.7A(L1/L2)	24.5A/24.5A(L1/L2)
	Rated AC Voltage	240V/120V	
	Max.Output Fault Current/Duration	66A peak/215ms	
	Transfer Time	<10ms	
General Parameter	Max.Efficiency	≥91%	
	Dimensions(W*H*D)	580*1000*205mm	580*1400*205mm
	Weight	~105kg	~150kg
	Ingress Protection Degree	IP67(Battery pack & Inverter),IP56(Wiring),NEMA3R	
	Operation Altitude	No derating <2000m	
	Heat Dissipation	Natural cooling	
	Noise Emissions	<30dB	
	Coupling	AC Coupled	
Certification	Grid Certification	IEEE Std.1547,IEEE 1547.1;Hawaiian IEEE Std.HECO SRD-IEEE-1547.1;	
	Safety & EMC	ANSI/CAN/UL Std.9540,1973;CSA Std.C22.2,UL Std.1741,1741SB;FCC Part15B	
	Fire Test & Transportation	UL9540A&UN38.3	



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