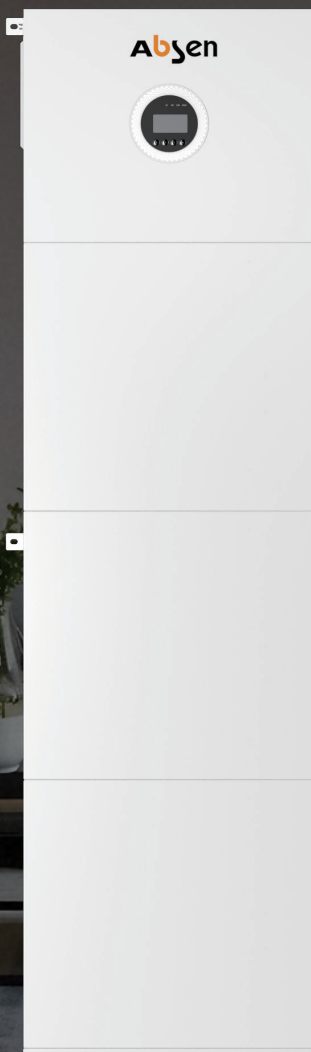


# All-in-one Residential Energy Storage System

## Pile S 60/51

- Modular structure, expandable up to 3 units, quick installation, compact for space-saving
- Built-in 120A solar charger, 60-500V wide PV input voltage range, slim profile
- Intelligent cell balancing, current-limiting function, multi-protection mechanisms
- WiFi real-time monitoring, smart charging design for extended battery life



Model	Pile S 60/51		
<b>System Parameter</b>			
Qty. of Battery Modules	1	2	3
Battery Capacity (kWh)	5.12	10.24	15.36
Rated Power (W)	4400	6000	6000
Ingress Protection	IP21		
Operating Temperature (°C)	0-55		
Relative Humidity	20%-95% (Non-condensing)		
Net Weight (kg)	55	97	139
Dimensions (W*D*H)(mm)	500*150*880	500*150*1340	500*150*1800
Max. Operating Altitude (m)	3000 (Derating above 1000)		
Display	LCD		
Communication	RS485/CAN/WIFI		
<b>Inverter Module</b>			
Model	PXS-60/51-LP1		
Rated Battery Voltage (V)	51.2		
Max. PV Input Power (W)	9000		
Max. Open Voltage (VDC)	500		
MPPT Input Voltage Range (VDC)	60-450		
Number of MPPT Trackers	1		
Rated AC Current (A)	26		
Max. PV Input Current (A)	27		
Rated Grid Voltage (VAC)	208/220/230/240; L+N+PE		
Grid Voltage Range (V)	90~280±3 (APP/GEN mode); 170~264±3 (UPS mode)		
Rated AC Power (W)	4400	6000	6000
Peak Output Power (Off-grid)(W)	5000	6000	6000
Switch Time (ms)	10(APP/UPS mode); 20(GEN mode)		
Max. Efficiency (Battery Mode)	94%@48VDC		
Net Weight (kg)	11		
Dimensions (W*D*H)(mm)	500*150*400		
<b>Battery Module</b>			
Model	PXS-60/51-LPB		
Nominal Voltage (V)	51.2		
Voltage Range (V)	43.2-58.4		
Capacity (A)	100	200	300
Nominal Charge/Discharge Current (A)	50/100	100/100	100/100
Max Charge/Discharge Current	100/100	140/140	140/140
Battery Type	LiFePO <sub>4</sub>		
Net Weight (kg)	42	84	126
Dimensions (W*D*H)(mm)	500*150*460	500*150*920	500*150*1380

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