

Residential ESS

All In One Energy Storage System



Product Specifications

Model	SP3600-A30B	SP5600-A30B
Battery Input		
Battery Type	LFP(LiFePO4)	LFP(LiFePO4)
Nominal Battery Voltage	48V	51.2V
Battery Capacity	3600Wh	5600Wh
PV String Input		
Max.DC Voltage	3600W	6000W
Max.DC Current	15A	22A
Max.DC Charging	3600W	5600W
Number of MPPT	1	1
Number of Strings Per MPPT	2	2
MPPT Voltage Range	120-450Vdc	120-450Vdc
AC Output (Grid)		
Nominal AC Voltage	220/230Vac	220/230Vac
Input Voltage Range	(170Vac~280Vac) ±2%	(170Vac~280Vac) ±2%
Frequency	50Hz	50Hz
Conversion Time	10m√	10m√
AC Output (Backup)		
Nominal Output Power	3600W	5600W
Power Factor	>0.95	>0.95
Nominal Output Voltage	230VAC	230VAC
Efficiency		
Max.PV Efficiency	>92%	>92%
Protection		
Overload Protection	Yes	Yes
Short Circuit Protection	Yes	Yes
Overcharge Protection	Yes	Yes
General Specifications		
Dimensions W×H×D	663.8×401×1202mm	663.8×401×1202mm
Operating Temperature Range	-15°C~55°C	-15°C~55°C
Cooling Type	Forced air cooling	Forced air cooling
IP Class	IP20	IP20
Communication	USB/RS485/Dry Node Control	USB/RS485/Dry Node Control
Certification	CE(IEC 62109-1) EN61000 C2	CE(IEC 62109-1) EN61000 C2