

SPA 3000-6000TL-AUB

All-In-One Energy Storage Solution

- Easy installation with modular design
- Supports retrofit & new system
- Faster energy store with 0.75C battery charge power
- Smart bypass function ensures continues critical loads
- Type II/III SPD on DC/AC side
- VPP interface ready



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P O W E R
- I N G
T O M O R R O W

System Parameters

System schematic								
Battery model	ALP 5.0L-E1							
Battery type	LiFePO4							
Number of Inverter module	1							
Number of battery module	1	2	3	4	5	6	7	8
Energy capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Weight	80kg	125kg	170kg	215kg	260kg	305kg	350kg	395kg
Dimension (W/D/H)	690/186/1102mm	690/186/1397mm	690/186/1692mm	690/186/1987mm	690/186/1692mm 690/186/705mm	690/186/1692mm 690/186/1000mm	690/186/1692mm 690/186/1295mm	690/186/1987mm 690/186/1295mm

Inverter Module	SPA 3000TL-AUB	SPA 3600TL-AUB	SPA 4000TL-AUB	SPA 4600TL-AUB	SPA 5000TL-AUB	SPA 6000TL-AUB
Output/Input Data (AC)						
AC nominal power	3000W	3680W	4000W	4600W	5000W	6000W
Rated AC apparent power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA
Nominal AC voltage/range	230V ; 180Vac~260Vac					
Nominal frequency/range	50/60Hz; 45~55Hz/55~65Hz					
Rated input/output current	13A/13A	16A/16A	17.3A/17.3A	20A/20A	21.7A/21.7A	26A/26A
Max. input/output current	16/16A	16/16A	22/22A	22/22A	27/27A	27/27A
Adjustable power factor	0.8leading...0.8lagging					
THDi	<3%					
AC connection	Single phase					
Backup Power(AC)						
Rated output apparent power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA
Nominal voltage	230V					
Nominal Frequency	50/60Hz					
Rated output current	13A	16A	17.3A	20A	21.7A	26A
THDv	3%					
Switch time	≤15ms					
Efficiency						
Max. efficiency	97.20%	97.20%	97.30%	97.40%	97.50%	97.60%
MPPT efficiency	≥99.5%	≥99.5%	≥99.5%	≥99.5%	≥99.5%	≥99.5%
Battery Data (DC)						
Battery module	ALP 5.0L-E1					
Normal voltage	51.2V					
Number of battery modules	1~8					
Energy capacity	5~40kWh					
Max. discharge/charge rate	0.75C					
DoD	92%					
Dimensions (W/D/H)	690/185/295mm					
General Data						
Operating temperature range	0°C ... +45°C					
AC surge protection	Type III					
Altitude	3000m					
Self-consumption	< 10 W					
Cooling	Natural					
Relative humidity	5~95%					
Protection degree	IP66					
AC connection	Connector					
Battery connection	Quick Terminal					
Installation method	Floor/Wall mount					
Display	LCD					
Warranty	10 years					
Interfaces	RS485/USB/CAN/Wi-Fi/GPRS					
Country of manufacturing	Made in China					
CE, IEC62109, IEC61000, AS4777.2:2020, CEC						

* The maximum working voltage is 560V, and if it exceeds 560V, the system will not work or stop working; The maximum input voltage is 600V, there is a risk of damage if the maximum value is exceeded.
 * Due to the limitation of battery discharge current, if there is only one pack, the maximum discharge power of the inverter is only 3.8kw. If the discharge power needs to reach >4kw, the minimum capacity configuration requires two packs."

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