



Single-phase Residential Energy Storage System Solution

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ATB
a **WOLONG** company

Residential Single-phase Energy Storage System Series

ELSS 3680~6000-5~30H-P-LCB



The 5 kWh module adopted enables variable capacity range of 5-30 kWh.



The switching time between on-off grid less than 10 ms secures Uninterruptable Power Supply for the load.



The Lithium Iron Phosphate (LFP) cell secures safe and reliable operation.



The automatic isolation of the faulty battery module secures smooth system operation.



The APP-based remote monitoring offers easy maintenance and unlimited function expansion.

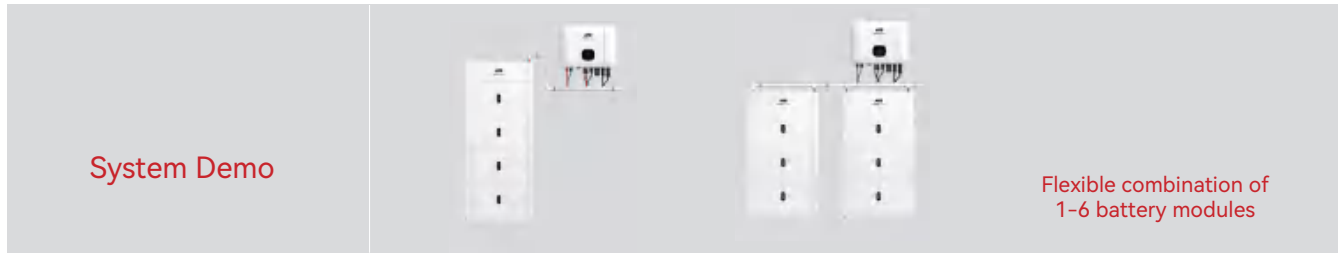


The built-in Smart Grid Management module enables power grid dispatching.



The Degree of Protection at IP66 makes it suitable for various harsh environments for application.

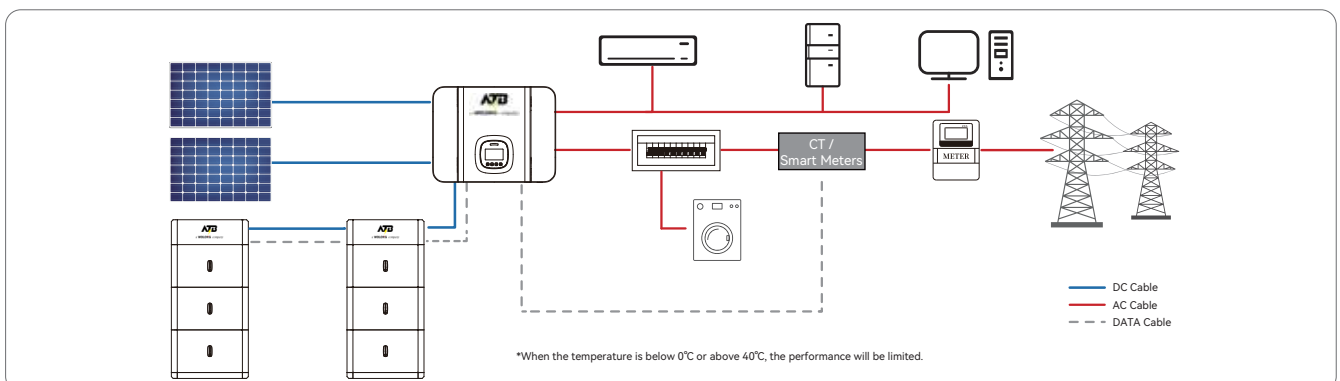
ELSS 3680~6000-5~30H-P-LCB Technical parameters



System Specification					
Nominal Output Power (W)	3680	4000	4600	5000	6000
Capacity Range (kWh)	5.12~30.72				
Usable Capacity Range (kWh)	4.6~27.65				
Battery Chemistry	LFP (LiFePO4)				
IP Protection	IP66 (Outdoor)				

Inverter Technical Specification					
Model	WL ELSS-3680	WL ELSS-4000	WL ELSS-4600	WL ELSS-5000	WL-ELSS 6000
Phase	Single Phase				
Max. PV Input Voltage (V)	600				
MPPT Voltage Range (V)	100 ~550				
Max. PV Input Current (A)	16/16				
Max. PV Input Power (W)	8000	9000	9000	9000	9000
Max. MPPT Short-circuit Current (A)	20/20				
Number of Independent MPPT	2				
Start-up Voltage (V)	120				
Max. Charging/Discharging Current (A)	100				
Max. Charging/Discharging Power (W)	5000				
Nominal Output Voltage on Grid	220 V, 230 V, 240 V (comply with local regulations)				
Output Voltage Range on Grid (V)	180 ~ 276				
Rated Grid Output Frequency on Grid (Hz)	50/60				
Max.AC Output Power (W)	3680	4000	4600	5000	6000
Max. Efficiency	97.6% (97.2% In Europe)		97.8% (97.3% In Europe)		97.6% (97.2% In Europe)
Communication	CAN2.0/RS485, WIFI/4G(optional)				
Cooling Method	Natural Cooling				
Weight (kg)	27				
Dimension (W*H*D) mm	540×450×185				
CE_LVD	EN IEC 62109-1, EN IEC 62109-2				
CE EMC	EN IEC 61000-6-1, EN IEC 61000-6-3				
Grid	Italy CEI 0-21, UK G98, G99				
Others	RoHS(2011/65/EU+2015/863), WEEE(2012/19/EU)				

Battery System Technical Specification						
System Model	WL 5H-P-LCB	WL 10H-P-LCB	WL 15H-P-LCB	WL 20H-P-LCB	WL 25H-P-LCB	WL 30H-P-LCB
Battery Pack Model	WL BLS-5H-P					
Module Capacity (kWh)	5.12	10.24	15.35	20.48	25.64	30.72
Usable Capacity (kWh)	4.6	9.21	13.81	18.43	23.04	27.65
Nominal Voltage (V)	51.2					
Voltage Range (V)	44.8~57.6					
Nominal Charging/Discharging Current (A)	50	100	100	100	100	100
Nominal Charging/Discharging Power (W)	2500	5000	5000	5000	5000	5000
Operating Temperature Range	Charge: 0~50°C, Discharge: -20~50°C					
System Weight(kg)	60	110	160	210	270	320
System Dimension (W*H*D) mm	650 x 620 x 180	650 x 980 x 180	650 x 1340 x 180	650 x 980 x 180 650 x 980 x 180	650 x 1340 x 180 650 x 980 x 180	650 x 1340 x 180 650 x 1340 x 180
Certification	IEC 62619, EN IEC 61000-6-1, IEC 61000-6-3, EN IEC 62040-1, EN IEC 62477-1, UN38.3, MSDS, RoHS(2011/65/EU+2015/863), WEEE(2012/19/EU)					



*All specifications are subject to change without notice.



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