



Household Energy Storage System Solution

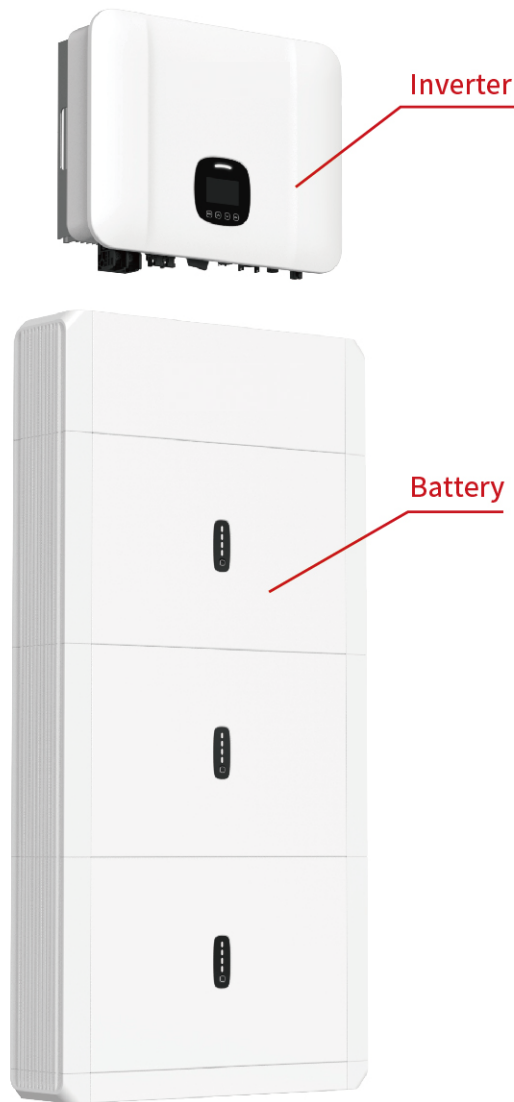
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Residential Single-phase Energy Storage System Series
ELSS 3680~6000-BLS-5~30H-P



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.

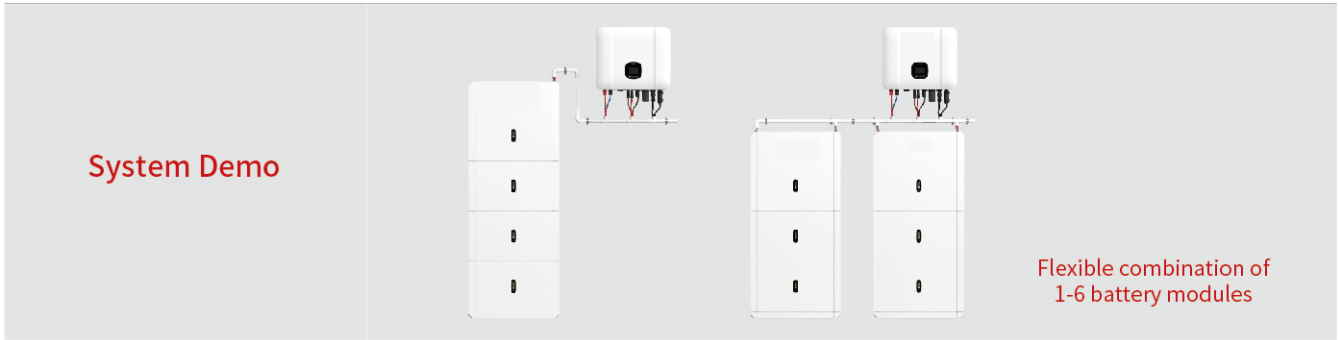


The built-in Smart Grid Management module enables power grid dispatching.



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

ELSS 3680~6000-BLS-5~20H-S 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)				
Warranty	10 years				

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 Range (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
Nominal AC Output Voltage (V)	230				
Communication	CAN2.0/RS485, WIFI/4G(optional)				
Display	LCD & APP				
Dimension (W*H*D) mm	540×450×185				
Certification	EN IEC62109-1, EN IEC62109-2, EN IEC61000-6-1, EN IEC61000-6-3, Italy CEI 0-21, UK G98, G99, RoHS(2011/65/EU+2015/863), WEEE(2012/19/EU)				

Battery Technical Specification						
Module Model	WL BLS-5H-P	WL BLS-10H-P	WL BLS-15H-P	WL BLS-20H-P	WL BLS-25H-P	WL BLS-30H-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					
Max. Charging/Discharging Power (kW)	2.5	5	5	5	5	5
Operating Temperature Range	-20 ~ +50 °C					
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	IEC62619, EN IEC61000-6-1, IEC61000-6-3, EN IEC62040-1, EN IEC62477-1, UN38.3, MSDS, RoHS(2011/65/EU+2015/863), WEEE(2012/19/EU)					

Residential Three-phase Energy Storage System Series
EHTS 4~12K-BHS-5~20H-S



Optimal Power & Storage

- 98.2% Max. Efficiency
- 15A PV input current per string, 2 MPP trackers
- 110% Unbalanced Output



Convenient Installation & Operation

- Plug & Play terminals for easy wiring
- Power and alarm indicator
- OLED display and App for setting and data management



Strong Load & Back-up

- 110% continuous AC output overloading
- 200% max. back-up output overloading @60s
- 150% DC oversizing



Flexible Design & Use

- 135-750V wide battery voltage range
- IP65 for indoor and outdoor installation
- Compact size and elegant appearance

▼ EHTS 4~12K-BHS-5~20H-S Technical parameters

System Specification						
Nominal Output Power (kW)	4	5	6	8	10	12
Capacity Range (kWh)	5.12-20.48					
Usable Capacity Range (kWh)	4.6-18.43					
Battery Chemistry	LFP (LiFePO4)					
IP Protection	IP65					
Warranty	10 years					

Inverter Technical Specification						
Model	WL EHTS-4K-25	WL EHTS-5K-25	WL EHTS-6K-25	WL EHTS-8K-25	WL EHTS-10K-25	WL EHTS-12K-25
Phase	Three Phase					
Max. PV Input Voltage*(V)	1000					
MPPT Voltage Range*(V)	120-950	120-950	120-950	200-950	200-950	200-950
Max. PV Input Current (A)	15/15					
Max. PV Input Power (kW)	6.0	7.5	9.0	12.0	15.0	18.0
Max. MPPT Short-circuit Current (A)	20/20					
Number of Independent MPPT	2					
Start-up Voltage Range (V)	135					
Max. Charging/Discharging Current (A)	25/25					
Max. Charging/Discharging Power (kW)	4.0	5.0	6.0	8.0	10.0	12.0
Nominal Output Voltage on Grid	3L/N/PE; 220/380V; 230/400V; 240/415V					
Rated Grid Output Frequency on Grid (Hz)	50/60					
Nominal AC output Power (kW)	4.0	5.0	6.0	8.0	10.0	12.0
UPS switching time	<10ms					
Communication	CAN, RS485, WiFi/LAN(Optional)					
Display	OLED & LED					
Dimension (W*H*D) mm	534×418×210					
Weight	26.0kg					
Certification	IEC62109-1, IEC62109-2, EN61000-6-2, EN61000-6-3, VDE-AR-N 4105					

Battery Technical Specification				
Module Model	WL BHS-5H-S	WL BHS-10H-S	WL BHS-15H-S	WL BHS-20H-S
Module Capacity (kWh)	5.12	10.24	15.36	20.48
Usable Capacity (kWh)	4.6	9.21	13.81	18.43
Nominal Voltage (V)	102.4	204.8	307.2	409.6
Operating Temperature Range	Charge: 0~60°C, Discharge: -20~60°C			
Dimension (W*H*D) mm	758×228×614	758×228×942	758×228×1270	758×228×1598
Certification	IEC62619, IEC62040, EN61000-6-1, EN61000-6-3, EN 62477, UN38.3			

* PV Max. Input voltage is 950V without battery, or 850V with battery, otherwise inverter will be waiting.