



Residential Energy Storage System Solution

Local brand in EU

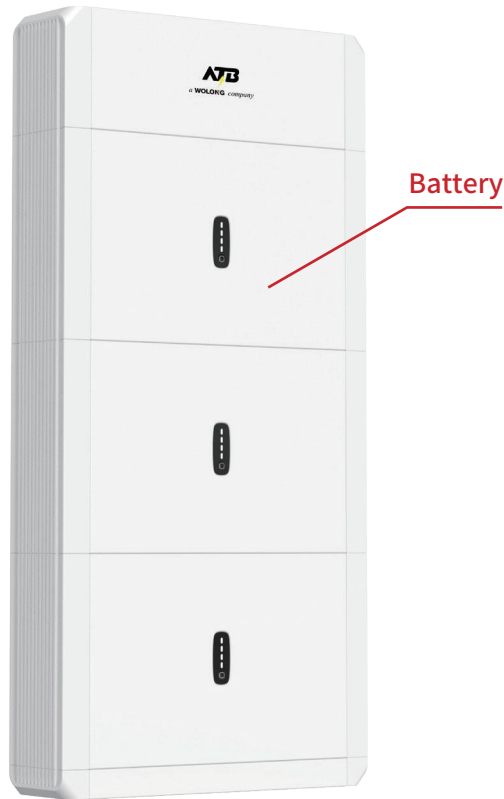
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ATB
a **WOLONG** company

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.

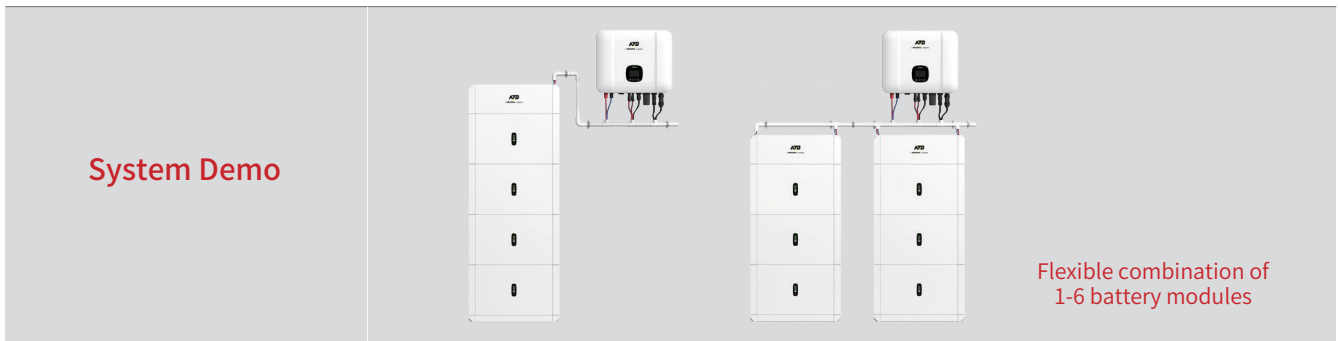


The built-in Smart Grid Management module enables power grid dispatching.



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

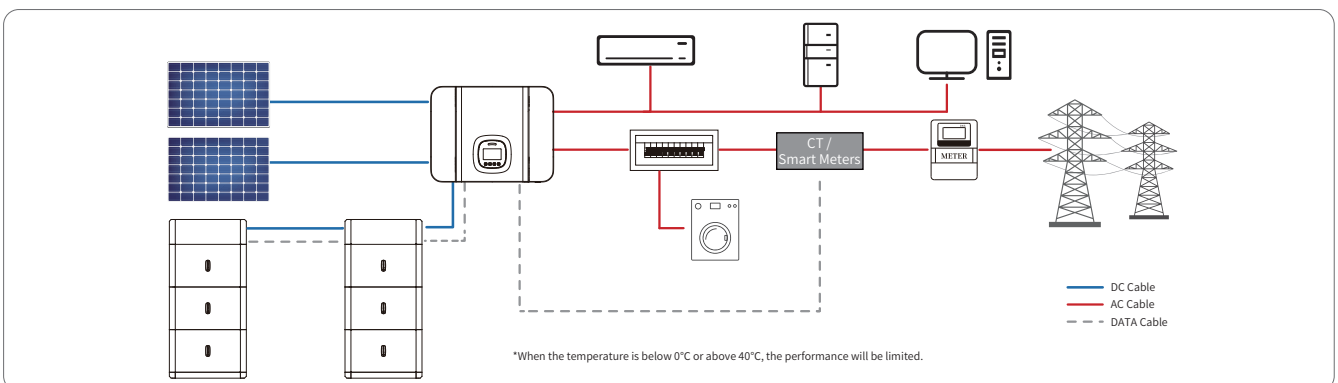
ELSS 3680~6000-BLS-5~20H-S Technical parameters



| 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) | | | | |

| 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 | | | | |
| Weight (kg) | 27 | | | | |
| 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) | | | | | |



Note: Technical parameters listed hereunder are for reference only. Actual parameters shall be subject to products shipped.

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



Inverter



Battery



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

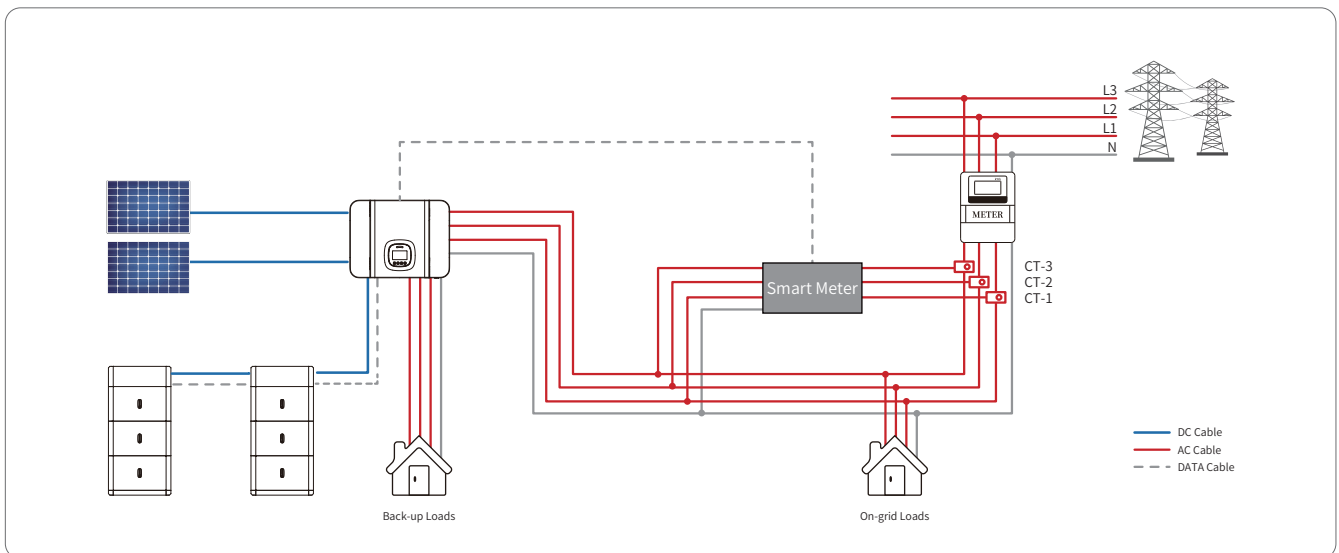
▼ EHTS 4~12K-BHS-5~20H-S Technical parameters

| 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 | | | | | |

| 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 (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 | | | | | |
| Weight (kg) | 26 | | | | | |
| Dimension (W*H*D) mm | 534 × 418 × 210 | | | | | |
| 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 × 614 × 228 | 758 × 942 × 228 | 758 × 1270 × 228 | 758 × 1598 × 228 |
| 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.



Note: Technical parameters listed hereunder are for reference only. Actual parameters shall be subject to products shipped.



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