



Three-phase Residential Energy Storage System Solution

Local brand in EU

© Local Technical Support

© Local After-Sales Service

© Local Warehouse and Stocks

ATB
a **WOLONG** company

Residential Three-phase Energy Storage System Series

EHTS 3000~12000X-5~40H-S-HCB



Inverter



Battery



Higher Reliability

- IP65 Outdoor&Indoor use
- 200% power grid input
- SiC technology, longer lifespan
- Plug-in design, easy to install



High Capability

- 15 units in parallel
- 200% overload off-grid output
- 2 independent ports for battery
- Support mixture use of old&new battery



Smart Monitoring

- Auto sleep
- VPP interface ready
- Cloud+ Smart data analysis



Strong Load Adaptability

- UPS function
- Flexible DO control
- 10ms on/off-grid switchover
- 100% three phase unbalance

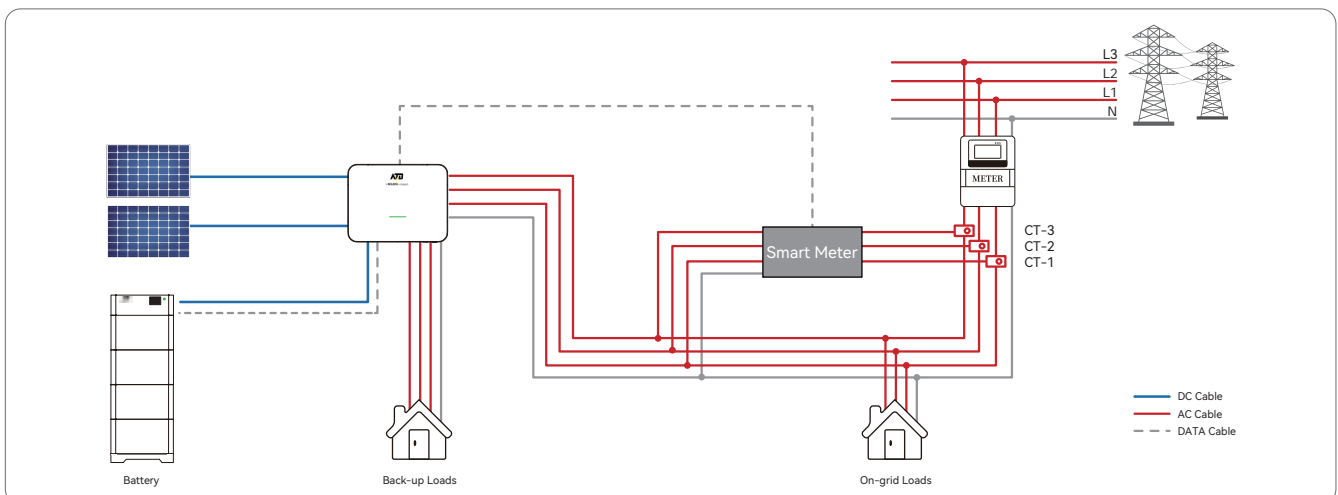
EHTS-3000-12000X-5~40H-S-HCB Technical parameters



System Specification						
Nominal Output Power (W)	3000	5000	6000	8000	10000	12000
Capacity Range (kWh)	5.12~40.96					
Usable Capacity Range (kWh)	4.6~36.86					
Battery Chemistry	LFP (LiFePO4)					
IP Protection	IP65					

Inverter Technical Specification						
Model	WL EHTS-3000X	WL EHTS-5000X	WL EHTS-6000X	WL EHTS-8000X	WL EHTS-10000X	WL EHTS-12000X
Phase	Three Phase					
Max. PV Input Voltage(V)	1000					
MPPT Voltage Range(V)	130-960	130-960	130-960	130-960	180-960	180-960
Max. PV Input Current (A)	25/25					
Max. PV Input Power (W)	4500	7500	9000	12000	15000	18000
Max. MPPT Short-circuit Current (A)	30/30					
Number of MPPTs	2					
Start-up Voltage (V)	130	130	130	130	200	200
Battery Voltage Range (V)	125~800					
Max. Charging/Discharging Current (A)	25/25					
Nominal Output Voltage on Grid	3/N/PE, 220/380V, 230/400V, 240/415V					
Output Voltage Range on Grid (V)	184~276/320~480					
Rated Grid Output Frequency on Grid (Hz)	50/60					
Max.AC output Power (W)	3000	5000	6000	8000	10000	12000
Max. Efficiency	98.2%(97.7% In Europe)					
Communication	RS485/CAN, WIFI/4G/Bluetooth					
Cooling Method	Air Cooling					
Weight (kg)	35					
Dimension (W*H*D) mm	573*509*219					
CE_LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2					
CE EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4					
Grid	VDE-AR-N 4105, EN50549					

Battery System Technical Specification						
System Model	WL 5H-S-HCB	WL 10H-S-HCB	WL 15H-S-HCB	WL 20H-S-HCB	WL 30H-S-HCB	WL 40H-S-HCB
Battery Pack Model	WL BHS-5H-S					
Module Capacity (kWh)	5.12	10.24	15.36	20.48	30.72	40.96
Usable Capacity (kWh)	4.6	9.21	13.81	18.43	27.65	36.86
Nominal Voltage (V)	102.4	204.8	307.2	409.6	307.2	409.6
Voltage Range (V)	83.2~116.8	166.4~233.6	249.6~350.4	332.8~467.2	249.6~350.4	332.8~467.2
Nominal Charging/Discharging Current (A)	25					
Max. Charging/Discharging Current (A)	50					
Operating Temperature Range	Charge: 0~+55°C, Discharge: -20~+60°C					
System Weight (kg)	83	146	209	272	418	544
System Dimension (W*H*D) mm	700*620*210	700*980*210	700*1340*210	700*1700*210	700*1340*210 + 700*1340*210	700*1700*210 + 700*1700*210
Certification	IEC 62619, EN IEC 61000-6-1, EN IEC 61000-6-3, IEC 62477, UN38.3, MSDS					



*All specifications are subject to change without notice.

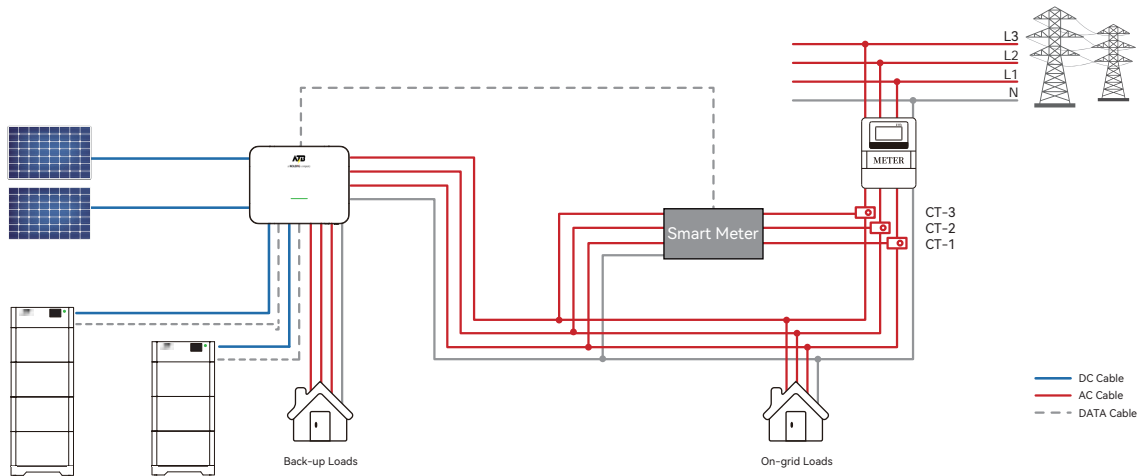
EHTS-15000~20000X Technical parameters

System Demo



Flexible combination of 3/4/6/8 battery modules

Model	Inverter Technical Specification		
	WL EHTS-15000X	WL EHTS-18000X	WL EHTS-20000X
Phase	Three Phase		
Max. PV Input Voltage(V)	1000		
MPPT Voltage Range(V)	180-960		
Max. PV Input Current (A)	25/25		
Max. PV Input Power (W)	22500	27000	30000
Max. MPPT Short-circuit Current (A)	30/30		
Number of MPPTs	2		
Start-up Voltage (V)	200		
Battery Voltage Range (V)	125~800		
Max. Charging/Discharging Current (A)	25/25		
Nominal Output Voltage on Grid	3/N/PE, 220/380V, 230/400V, 240/415V		
Output Voltage Range on Grid (V)	184~276/320~480		
Rated Grid Output Frequency on Grid (Hz)	50/60		
Max.AC output Power (W)	15000	18000	20000
Max. Efficiency	98.2%(97.7% In Europe)		
Communication	RS485/CAN, WIFI/4G/Bluetooth		
Cooling Method	Air Cooling		
Weight (kg)	35		
Dimension (W*H*D) mm	573×509×219		
CE_LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2		
CE EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4		
Grid	VDE-AR-N 4105, EN50549		



2 strings of independent battery connection port, independent DC/DC module & independent communication module, support new & old battery usage, can connect with different brands of battery, support different BMS protocol, battery-expansion-friendly.

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