



YULI

Shenzhen Yuli Energy Technology Co., Ltd.



Energy Built To Perfection

Yuli Energy continuously enhance production and quality control to ensure the highest standards. Innovation runs through our DNA as we aim to realize our vision through advanced R&D and thoughtful designs. We partner with customers worldwide to build a cleaner and more sustainable future together.

- 10+** Years manufacturer
- 12** Efficient production line
- 3,600+** Square meters plant
- 200+** Skilled workers
- 60+** Experienced engineers
- 250+** Invention patents



Advanced Sodium-ion R&D Technology



Low Failure Rate



Global After-sales Center



Comprehensive Certification



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Residential ESS

Separate Residential Energy Storage Battery

Low-volt Wall-mount LFP Battery



Excellent Heat Dissipation

Special materials enhance heat dissipation performance



5Kwh Battery



Modern Design

Modern design bring high-end experience



10Kwh Battery






Lightweight And High-quality







Aluminum alloy housing perfectly optimize the weight

Technical parameter	YLPW-			
	4800	5120	9600	10240
Basic Parameter				
Rated Voltage (V)	48	51.2	48	51.2
Rated Capacity (Ah)	100	100	200	200
Rated Energy (Wh)	4800	5120	9600	10240
Operation Parameter				
Voltage Range (V)	42~58.4		42~58.4	
Charge Voltage Range (V)	58.4		58.4	
Cut-off Voltage (V)	42		42	
Recommend Charge Current (A)	20		40	
Max Charge Current (A)	100		100	
Max Discharge Current (A)	100		100	
Physical Parameter				
Dimension: W*D*H (mm)	445*170*560		445*206*675	
Weight (Kg)	41		76	
Communication Port	RS232、RS485、CAN		RS232、RS485、CAN	
Display	LED + LCD		LED + LCD	
Terminal	Plug-in		Plug-in	
Environment Parameter				
Humidity (%)	65±20% RH			
Charge Temperature Range (°C)	0~60			
Discharge Temperature Range (°C)	-10~65			
Storage Temperature Range (°C)	-5~40			
Service Life				
Cycle Life (Time)	≥ 6000 (0.5C@ 25°C, 95% DOD)			
Design Life (Year)	15			
Certification				
Safety & Certification	CQC, IEC, CE, CB, ROHS, MSDS, SDS, REACH			
Transportation	UN38.3			

Low-volt Stacked LFP Battery



			
Name	Junction Box	Module	Battery base
Dimension:W*D*H (mm)	660*420*120	660*420*170	660*420*50
Weight (Kg)	12	53	2.25

Model No.	YLLS-2P-10240	YLLS-3P-15360	YLLS-4P-20240	YLLS-5P-25600	YLLS-6P-30720	YLLS-7P-35840
System Schematic						
Module Number	2	3	4	5	6	7
Rated Voltage (V)	51.2					
Voltage Range (V)	44.8~56					
Rated Energy (Wh)	10240	15360	20240	25600	30720	35840
Max. Discharge Current (A)	200					
Dimension:W*D*H (mm)	660*420*510	660*420*680	660*420*850	660*420*1020	660*420*1190	660*420*1360
Weight (Kg)	124	177	230	282	335	388
Environment Parameter						
IP	IP55					
Charge Temperature Range (°C)	0~45					
Discharge Temperature Range(°C)	-20~55					
Installation Method	Floor-mounted					
Service Life						
Cycle Life (Time)	> 6000 (0.5C @25°C, 95% DOD)					
Design Life (Year)	15					
Certification						
Safety & Certification	UL1973, (CUL, UL9540, IEC62619 In progress)					
Transportation	UN38.3					

Remark: Max supports 16 modules in parallel, Recommend within 10 modules in parallel; A combiner box is required when the current exceeds 100A

Low-volt Rack-mount LFP Battery



Rack-mount cabinet system diagram (with 6 modules)

Model No.	YLRM-15S-3072	YLRM-16S-5120	YLRM-15S-4800
Basic Parameter			
Rated Voltage (V)	51.2		48
Rated Capacity (Ah)	60	100	100
Rated Energy (Wh)	3072	5120	4800
Operation Parameter			
Voltage Range (V)	44.8~56		48
Charge Voltage Range (V)	55.2~56		54.7
Cut-off Voltage (V)	44.8		40
Recommend Charge Current (A)	30	50	20
Max Charge Current (A)	60	100	100
Max Discharge Current (A)	60	100	100
Physical Parameter			
Dimension: W*D*H (mm)	442*430*88	442*470*154	515*493*175
Weight (Kg)	28	45	42
Communication Port	RS485、CAN		
Display	LED	LED + LCD	\
Terminal	M6		
Environment Parameter			
Humidity (%)	5~95% RH		65±20% RH
Charge Temperature Range (°C)	0~45		0~60
Discharge Temperature Range(°C)	-20~55		-10°C~65
Storage Temperature Range (°C)	-20~45		-5~40
Service Life			
Cycle Life (Time)	≥ 6000 (0.5C@ 25°C, 80% DOD)		
Design Life (Year)	15		
Certification			
Safety & Certification	CE, IEC62619, UL1973, UL 9540A, UL9540 (In progress)		CE, IEC62619, FC, ISO,MSDS,PSE
Transportation	UN38.3		



Residential ESS

High-voltage Home Storage Battery

High-volt Stacked LFP Battery



HIGH VOLTAGE LiFePO4 BATTERY HVM30~120S100BL

Model No.	YLHV-25-9600	YLHV-35-14400	YLHV-45-19200	YLHV-55-24000	YLHV-65-28800	YLHV-75-33600	YLHV-85-38400
System Demo							
Number of Modules	2	3	4	5	6	7	8
Battery Capacity (Ah)	100	100	100	100	100	100	100
Battery Energy (Wh)	9600	14400	19200	24000	28800	33600	38400
Standard Charge Current (A)	20	20	20	20	20	20	20
Standard Discharge Current (A)	20	20	20	20	20	20	20
Size: L*W*H (mm)	570*380*666	570*380*833	570*380*1000	570*380*1167	570*380*1334	570*380*1501	570*380*1668
Weight (kg)	107kg	148kg	189kg	230kg	271kg	312kg	353kg

General	
Battery Type	Lithium Iron Phosphate (LFP)
Nominal Voltage	96V-384V
Operating Voltage Range	80-438V
IP Protection	IP54
Installation	Floor installation
Operation Temperature	-10~60°C
Features	
BMS Monitoring Parameters	SOC, System voltage,current, cell voltage, cell temperature, PCBA temperature measurement
Communication Port	CAN
Grade A quality LiFePO ₄ battery, more than 6000 cycles in 95% DOD @25°C. Battery discharge: -10°C~60°C, battery charge: 0°C~60°C. Compatible with 96~384V high voltage inverter/UPS	

Residential ESS


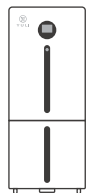


All-in-one Residential Energy Storage System



All-in-one Residential Energy Storage System



Remark: 2 module system diagram recommends 4 modules in parallel

Madel No.	YLAR-1P-5120	YLAR-2P-10240	YLAR-3P-15360	YLAR-4P-20480
System Demo				
Number of Modules	1	2	3	4
Dimension:W*D*H (mm)	464*190*680	464*190*1080	464*190*1480	464*190*1880
Weight (Kg)	≈55	≈100	≈145	≈190
Rated Energy (KWh)	5.12	10.24	15.36	20.48



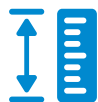
Long-lasting

High energy-dense cell help increases life span



Touch-safe

No messy wires, Make it touch-safer for users



Flexible

Scale up energy storage capacity as your needs



97% High Efficiency

Intelligent BMS system enhance charge/discharge efficiency

General	
Material system	Lithium Iron Phosphate (LFP)
Nominal voltage	51.2V
Product certification	IEC62619 / UN38.3 / CE-EMC / ROHS / FCC
Hybrid inverter Option	3.6kwh/ 6.2kwh
Color Option	White
Environment Parameter	
Humidity (%)	65±20% RH
Charging Suitable Temperature	0°C~45°C
Discharge Suitable Temperature	-10°C~55°C
Storage Temperature Range (°C)	-5~40
Service Life	
Battery energy	5000 weeks 0.2C charge / 0.5C discharge (95 % DOD, 70 % EOL), 25 °C
Design Life (Year)	15

LFP Power Battery



Model No.	YLLP-1280	YLLP-2560
Battery Cell		
Capacity (Ah)	100	
Nominal Internal Resistance (mΩ)	≤0.5	
Nominal Voltage (V)	12.8	
Nominal Capacity (Ah)	100	200
Charging Stop Voltage (V)	14.6	
Discharge Cut-off Voltage (V)	10	
Max Discharge Current (A)	1C	
Display Screen	Voltage And Percentage Are Shown	
Standard Charging Current (A)	Within 0.5 C	
Compound Mode	4S1P	4S2P
General Parameter		
Charging Suitable Temperature	0°C~45°C	
Discharge Suitable Temperature	-20°C~65°C	
Dimension: w*d*h (mm)	330*172*215	522*240*218
Weight (Kg)	11	20
Storage Temperature Range	0°C~45°C	
Humidity (%)	< 75% RH	
Communication Mode	Can Be Customized	
Bluetooth	None (Can Be Added)	
Cycle Life (Time)	> 5000 (0.5C@ 25°C, 80% DOD)	
management system		
Single Over Voltage Protection Value	3.7V	
Over Voltage Release Value	3.65V	
Single Under Voltage Protection Value	2.5V	
Under Voltage Release Value	2.7V	
Over Current Protection Value	200A	

Hybrid Inverter



INVERTER MODEL	3.6Kw	4.2KW	6.2KW
Table 1 Line Mode Specifications			
Input Voltage Waveform	Sinusoidal (utility or generator)		
Nominal Input Voltage	230Vac		
Low Loss Voltage	170Vac±7V(UPS); 90Vac±7V(Appliances)		
Low Loss Return Voltage	180Vac±7V(UPS); 100Vac±7V(Appliances)		
High Loss Voltage	280Vac±7V		
High Loss Return Voltage	270Vac±7V		
Max AC Input Voltage	300Vac		
Nominal Input Frequency	50Hz / 60Hz (Auto detection)		
Output Short Circuit Protection	Circuit Breaker		
Efficiency(Line Mode)	>95% (Rated R load, battery full charged)		
Transfer Time	10ms typical(UPS);20ms typical (Appliances)		
Output Power Derating: When AC input voltage drops to 170Vthe output power will be derated.			
Table 2 Inverter Mode Specifications			
Output Voltage Waveform	Pure Sine Wave		
Output Voltage Regulation	230Vac+5%		
Output Frequency	50Hz		
Peak Efficiency	93%		
Overload Protection	3s@>150%load;5s@101%~150% load		
Surge Capacity	2*rated power for 5 seconds		
Nominal DC Input Voltage	24Vdc		48Vdc
Cold Start Voltage	23.0Vdc		46.0Vdc
High DC Recovery Voltage	32Vdc		62Vdc
High DC Cut-off Voltage	33Vdc		63Vdc
No Load Power Consumption	30W	35W	50W

Battery + Photovoltaic Panel + Inverter System Sets

System Sets 1 (High cost-effective choice for 5Kwh)



Load	5Kwh
Battery	5Kwh
Photovoltaic Panel	1.25Kw
Inverter	3.6Kw

System Sets 2 (High cost-effective choice for 10Kwh)



Load	10Kwh
Battery	10Kwh
Photovoltaic Panel	2.5Kw
Inverter	6.2Kw

C & I ESS

Commercial and Industrial energy storage is a power storage system specially designed for regional microgrids such as small CBD, farms, islands, outdoor photovoltaic power stations, etc., which can fully guarantee the power demand and energy security in these scenarios. Our products include AC coupled(all-in-one battery), DC coupled(battery cabinet), container energy storage product, ect.



Easy installation



Real-time monitoring and control

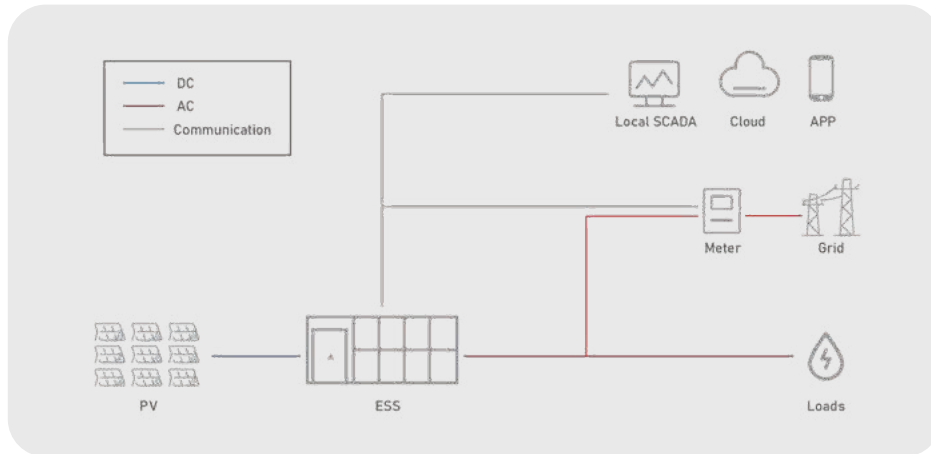


LFP cell & system safety design



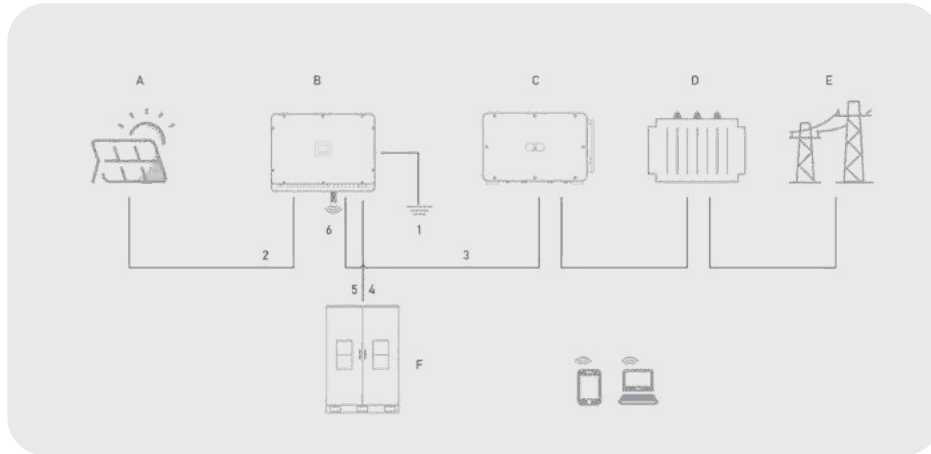
High energy density

All-in-one Energy Storage Product — AC Coupled



Type	Storage	Solar + Storage
Battery Parameters		
Cell Type	LFP Pristimatic Type	
Battery Capacity (KWh)	50~200	50~200
Voltage Range (V)	250~800	320~800
Max. Charging Power (KW)	50/150	30/100
AC On-grid Parameter		
Grid Type	3W+N+PE	
Input / Output (KW)	50~150	50
AC Voltage (V)	320~460	
Applicable Grid Frequency (Hz)	45~55/55~65	
THDi	<3% (100% load)	
Power Factor	1(Leading)~1(Lagging)	
AC Off-grid Parameter		
Rated Charge/Discharge Power(KW)	50~150	50
Max Output Power (KVA)	50~150	55
Rated AC Voltage (V)	400	
Nominal Frequency (Hz)	50/60	
THDu	≤ 1% linear; or ≤ 5% nonlinear	
Photovoltaic Input		
Max Input Power (KW)	--	50/100
MPPT Voltage Range (V)	--	250~850
General Parameter		
Dimension:W*D*H (mm)	2200*1100*2340	
Max. Weight (Kg)	3200	
IP Degration	IP54	
Operating Temperature Range (°C)	-20~50	
Relative Humidity	0~95%(No condensation)	
Altitude	<2000m	
Cooling Method	Heat Ventilation Air Conditioner	
Noise (dB)	≤ 75	
System Efficiency	≥85%	
Firefighting System	Intetared	
Communication	Ethernet, Modbus TCP/IP	
Certification		
Safety & Certification	IEC62619, UN38.3	

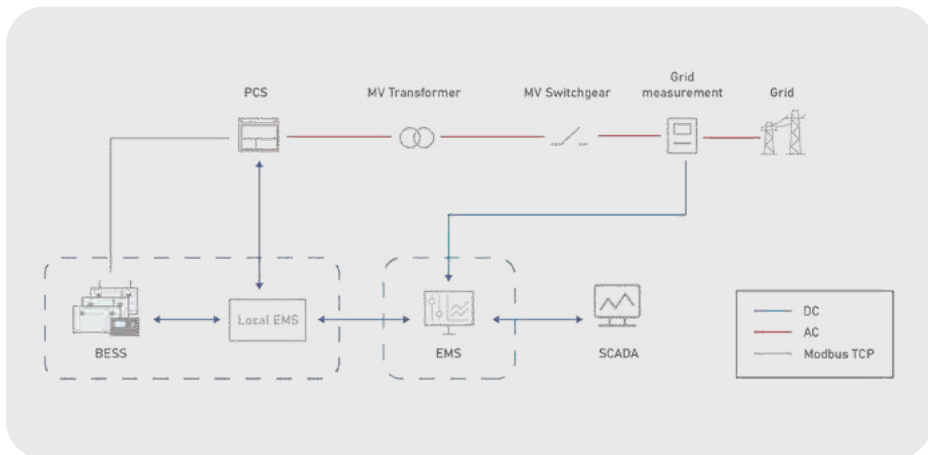
Distributed Energy Storage Product — DC Coupled



Name	Description	Remark
A	PV String Array	Mono silicon, poly silicon, thin film battery without grounded
B	PV Energy Storage Converter	Luxpower LSP100K
C	Grid-tied Solar Inverter	Such as SG100CX SUN2000 etc.
D	Grid Transformer	Converting the output voltage of the inverter to meet the requirements of the grid
E	Grid	Grid supported by inverter
F	Battery	LFP Battery

Model No.	YLBox200
Battery Parameters	
Voltage Range(V)	250~800
Rated Capacity(Ah)	280
Rated Charge/Discharge Current(A)	140/140
Rated Energy(kWh)	50~200
Maximum Discharge Current(A)	200
Maximum Charge Current(A)	200
General Parameter	
Dimension:W*D*H (mm)	1100*1100*2340
IP Grade	IP54
Total Weight (Kg)	Max.2300
Cooling Mode	HVAC
Fire Fighting	Integrated
Operating temperature (°C)	-20~ 50
Operating humidity	5%~95%R.H
Communication	CAN/RS485/Modbus TCP/IP
Parallel	Max. 10 cabinets
Certification	
Safety & Certification	IEC62619
Transportation	UN38.3

Container Energy Storage Product



Technical parameter	YLTJ-2000-2.0MWH-	
	1000V	1500V
Rated Voltage (V)	870.4	1331.2
Voltage Range (V)	761.6~952	1164.8~1456
Pack Model	YTH51280AM1	
Rack Series	17	26
Rack Rated Energy (kWh)	243.7	223.6
Total Rack Quantity	10	6
Rate Power (kW)	1000	
Rated Charging/Discharging Current (A)	10*140	6*280
Max Charging and Discharging Rate	≤ 0.5C@25°C	
Capacity (kWh)	2437.12	2236.42
Dimension:W*D*H (mm)	6058 x 2896 x 2438	
Weight	<30T	
IP Degree	IP54	
Working Temperature Range (°C)	-20~50	
Storage Temperature Range (°C)	-30~60	
Humidity Range	0~95% (No Condensation)	
DC Lightning Protection	Type II	
Max Working Altitude (m)	<2000	
Battery Cooling Mode	Industrial HVAC	
Auxiliary Power Supply	TBD	
Fire Fighting System	FM-200	
System Communication Ports	Ethernet/Optical fiber	
System Communication Protocol	Modbus TCP	
Environmental Requirements	RoHS6	
Certification	IEC62619; UN38.3	





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