

The logo features the letters 'AJT' in a bold, blue, sans-serif font, followed by a registered trademark symbol (®). To the left of the text is a large, stylized graphic composed of several overlapping geometric shapes. The top-left shape is a dark gray triangle containing a photograph of a skyscraper and an airplane. Below this is a large blue parallelogram, and further down is a light gray parallelogram. The entire graphic is set against a white background.

AJT[®]

AJT “Quality” Manufacturing,
Unique Craft “Core”

Group-Profile



Li- ion industry entry time: 1999



Time of establishment: 2011

More than ten years of experience in R&D and manufacturing of lithium-ion batteries, with a good reputation for products and services



Registered capital: ¥411.4 million

Strong capital investment,
strong ability to resist risks



Company scale: 2,000 employee

Large scale
Relatively stable personnel



Daily production capacity: 600 -800K

with sufficient production capacity and
strong delivery capacity

Wall-mounted Residential Battery Storage



51.8V 100AH
50160118



25.6V 100AH
50160118



12.8V 100AH
50160118

Features and application:

- PV energy storage system
- Wall-mounted, space-saving
- Match the international mainstream inverter brand UN38.3, MSDS certification

Main parameters:

- Cell type: LiFePO4
- Nominal voltage: 48V/51.2V
 - 48V100Ah/48V200Ah
 - Model: 48V100Ah/48V150Ah/48V200Ah
 - Max discharge current: 100A
 - Communication port: RS485、CAN
 - Circulation control: Built-in parallel circulation control module

Model	RK5 1 100 LFP-WM		RK5 1 200 LFP-WM
Performance			
Cell Format	LFP 16S1P		LFP 16S2P
Nominal Capacity	100Ah	100Ah	100Ah
Battery Usable Energy	5.12kWh	2.56kWh	1.28kWh
Nominal Voltage	51.2V	25.6V	12.8V
Rate Discharge Current	50A	100A	100A
Max Discharge Current	100A	200A	200A
Rate Charge Current	50A	100A	100A
	100A	200A	200A

Max Charge Current		
Communication		
Display	LCD , SOC status indicator, LED indicator	
Communication	CAN/ RS485/ RS232	
General Specifcation		
Dimension (L*W*H)	600*410* 166mm	600*450* 266mm
Weight	50kg	94kg
Charge Temperature	0 °C to 55 °C	
Operating Temperature [2]	-20 °C to 55 °C	
Storage Temperature	0 °C to 40 °C	
Environmental Humidity	< 95% RH	
Protection Rating	IP55	
Cycle Life	6000Cycle@ 25 °C, 80% DOD, 0.5C	
Scalability	Max 15 parallel	
Certification		
Cell	IEC62619/ UL1642	
Battery Pack	UN38.3/CE/ IEC62619	

[1]Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25℃to 55℃

[2]Charge/discharge derating occurs when the operating temperature from -10℃ to 5℃.& 45℃

[3]Condition apply. Refer to Warranty Letter

AJT Residential ESS AJT- PACK-WM01:1/2/3/4/5

Feature and Application:

- 6000 Cycle Life.
- Long Warrenty: 5 years.
- LiFePo4 battery is environmentally friendly, safe and durable.
- Intelligent Battery Management System(BMS) is the best system on the marketOne can improve battery safety.
- Support parallel expansion according to inverter requirements; Up to 15 machinescan beconnected up to 72 kwh.
- Our system is stackable, allowing for easy and convenient installation.
- Battery enables parallel and cluster expansion.

Main parameters:

- Battery type: LiFePo4.
- Rated voltage: 48V.
- Module specifcation:4.8KWh|48V|46Kg
- discharge current: 100A
- Communication interface:RS485/CAN.
- Parallel function: Support up to 15units for parallel expansion.
- Circulation control: Built-in parallel circulation control module toenhance safety.



A5.2KWH-1



A4.8/5.2KWH-2



A5.2KWH-3



A5.2KWH-4



A5.2KWH-5

Battery Specifications:

Model	A 5.2KWH-1	A 5.2KWH-2	A 5.2KWH-3	A 5.2KWH-4	A 5.2KWH-5
Nominal capacity(Ah)	100				
Nominal energy(KWh)	5.2	10.4	15.6	20.8	26
Module specification	5.12KWh 51.2V 48Kg				
Nominal voltage(V)	51.2v				
Working voltage(V)	46.4V-58.4				
Max discharge curent(A)	100				
Coninuous charging curent(A)	50				
Battery type	LiFePo4				
BMS communication mode	RS485/CAN				
Protection/Security	Overcharge Protection/Undervoltage Protection/Overcurrent Protection				
Cycle Life	Cycle Life >6000 Times				
Operating temperature	-10~50°C				
Discharge efficiency(%)	95				
Dimension(LxWxH)(mm)	430*440*48	430*440*320	430*440*480	430*440*641	430*440*801
Weight(KG)	48	96	144	192	240
Warranty(years)	5 Years				
Water Dust Resistance	IP20				
Cooling mode	Natural Cooling				
Installation mode	In Parallel				
Certification	CE/UN38.3/RoHS				

Packing List :

Model	A 5.2KWH-1	A 5.2KWH-2	A 5.2KWH-3	A 5.2KWH-4	A 5.2KWH-5
Bottom mounting bracket	0	4	8	12	16
top mounting bracket	0	4	4	4	4
M6X14 three-in-one combination screw	0	8	16	24	36
KM4x8 countersunk head cross screws	0	16	24	36	44
25mm2 Red Connect Cable 1000mm	1	1	1	1	1
25mm2 Black Connect Cable1000mm	1	1	1	1	1
Rs485 Connect Cable 1000mm	1	1	1	1	1
25mm2 Black Connect Cable 170mm	0	1	2	3	4
25mm2 Red Connect Cable 170mm	0	1	2	3	4
Rs485 Connect Cable 180mm	0	1	2	3	4

Note: The above products are data parameters for regular models. If you have any other requirements, please communicate with our sales personnel to customize a satisfactory product for you

AJT Residential ESS

AJT-PACK-WM06

Product Features:

- ⌚ 5000 Cycle Life.
- ⌚ Long Warrenty: 5 years .
- ⌚ LiFePo4 battery is environmentally friendly, safe and durable.
- ⌚ Intelligent Battery Management System(BMS) is the best system on the marketOne can improve battery safety.
- ⌚ Support parallel expansion according to inverter requirements; Up to 15 machinescan beconnected up to 480.5kwh.
- ⌚ Our system is stackable, allowing for easy and convenient installation.
- ⌚ Battery enables parallel and cluster expansion.



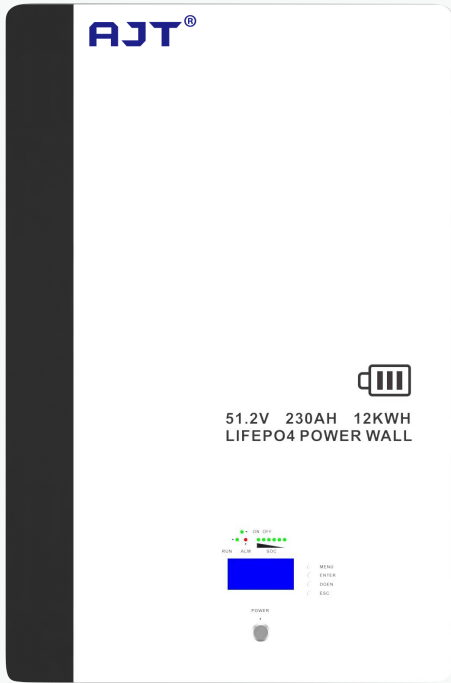
Battery Specifications:

Model	B28.7KWH
Nominal capacity(Ah)	560
Nominal energy(KWh)	28.7
Module specifcation	28.7KWh 51.2V 247Kg
Nominal voltage(V)	51.2V
Working voltage(V)	46.4V-58.4
Max discharge curent(A)	200
Coninuous charging curent(A)	200
Battery type	LiFePO4
BMS communication mode	RS485/CAN
Protection/Security	OverchargeProtection/UndervoltageProtection/OvercurrentProtection
Cycle Life	CycleLife > 5000 Times
Operating temperature	-10~50°C
Discharge efficiency(%)	95
Dimension(LxWxH)(mm)	1100*525*525
Weight(KG)	247
Warranty(years)	5Years
Water Dust Resistance	IP21
Cooling mode	Natural Cooling
Installation mode	Wall-mounted
Certifcation	CE/UN38.3/RoHS

Packing List :

Model	B28.7KWH
Rs485	

All-in-one Energy Storage System



Feature and Application:

- Integrating energy storage battery and inverter
- Supporting PV input and AC mains electricity input Supporting max 5000W output
- Suitable for residential energy storage and emergency backup power supply

Main Parameter:

- AC input range: AC110V-AC240V @ 50Hz/60Hz
- Inverter output range: AC 110V-AC240V @50Hz/60Hz
- AC output power: 5000W
- AC output current: 45A
- Battery capacity: 3KWh/5KWh/ 7.5KWh/ 10KWh
- Max discharge current: 100A
- Max PV input power: 1000W-2000W

Performance				
Cell Format	LFP 8S2P	LFP 16S1P	LFP 16S1P	
Nominal Capacity	100Ah	280Ah	400Ah	
Battery Usable Energy	10.24kWh	14.34kWh	20.48kWh	
Nominal Voltage	25.6V	51.2V	51.2V	
Charge Voltage	51.2V	51.2V	51.2V	
Discharge Cut-off Voltage	57.8V	57.8V	57.8V	
Rate Discharge Current	44.8A	44.8A	44.8A	
Max Discharge Current	50A	50A	50A	
Rate Charge Current	60A	50A	75A	
Max Charge Current	100A	100A	150A	
Inverter				
Rate Output power	3000W	5000W	8000W	
Peak Power	6000W	10000W	12000W	
AC Rate input Voltage	220-230-240V (Single Phase)			
AC input Voltage Range	APL DG model : 90Vac-280Vac; UPS City Power : 170Vac-280Vac;			
Rate AC Frequency	50/60Hz			
Discharge Cut-off Voltage	22.4V	44.8V	44.8V	
Monitoring Option	Wifi			
Peak Efficiency	92%			
Transfer Time	10ms (typical)			
Parallel capacity	1-6 unit			
Wave Form	Pure Sine Wave			
Solar Charger & AC Charger				
Max PV Array Power	4000W	5200W	5500+5500W	
PV input Range	120-450V			
Max Solar Charge Current	13A	18A	22+22A	
Max AC Charge Current	30A	40A	63A	
Rate AC Frequency	50/60Hz			
Max.Voltage of Open Circuit	500V	500V	500+500V	
Monitoring Option	Wifi			
Max.MPPT Charging Current	80A	80A	180A	
Max.DC Charge Current	60A	80A	100A	
Communication				
Display	LCD , SOC status indicator , LED indicator			
Communication	CAN/ RS485/ RS232			
General Specification				
Dimension (L*W*H)	520*707*222mm	520*788*222mm	980*675*245mm	
Weight	52kg	65kg	104kg	
Charge Temperature	0℃ to 55℃			
Operating Temperature [2]	-20℃ to 55℃			
Storage Temperature	0℃ to 40℃			
Environmental Humidity	< 95% RH			
Protection Rating	IP20			
Cycle Life	6000Cycle@25℃ , 80%DOD , 0.5C			
Certification				
Cell	IEC62619/ UL1642			
Battery Pack	UN38.3/ CE/ IEC62619			
Inverter	IEC62109/CE			

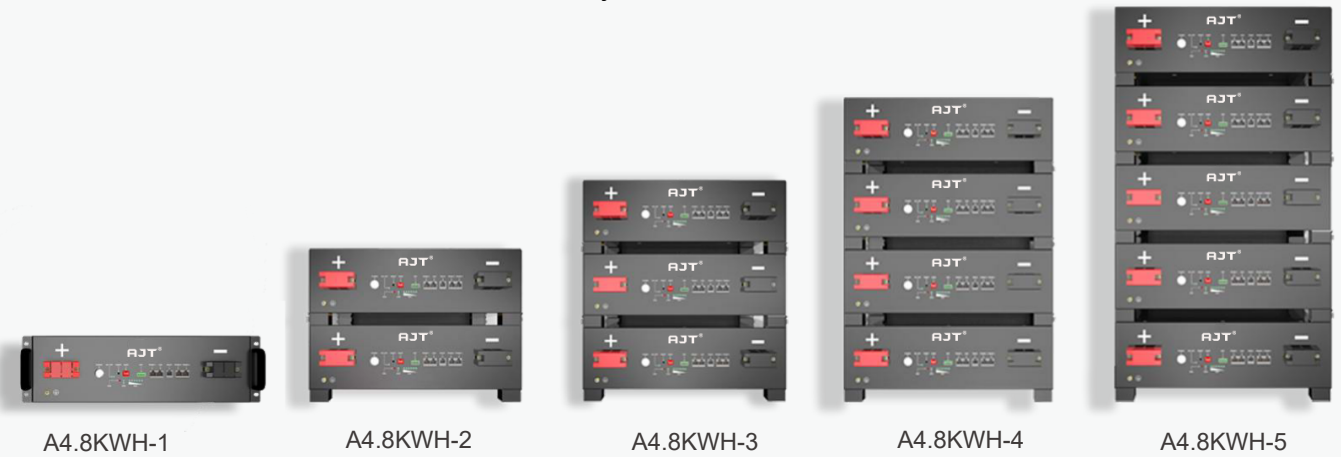
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Feature and Application:

- 6000 Cycle Life.
- Long Warrenty: 5 years.
- LiFePo4 battery is environmentally friendly, safe and durable.
- Intelligent Battery Management System(BMS) is the best system on the marketOne can improve battery safety.
- Support parallel expansion according to inverter requirements; Up to 15 machinescan beconnected up to 78 kwh.
- Our system is stackable, allowing for easy and convenient installation.
- Battery enables parallel and cluster expansion.

Main parameters:

- Battery type:LiFePo4.
- Rated voltage: 51.2V.
- Module specifcation:5.12KWh|51.2V|48Kg
- discharge current: 100A
- Communication interface:RS485/CAN.
- Parallel function: Support up to 15units for parallel expansion.
- Circulation control: Built-in parallel circulation control module toenhance safety.



Battery Specifications:

Model	A4.8KWH-1	A4.8KWH-2	A4.8KWH-3	A4.8KWH-4	A4.8KWH-5
Nominal capacity(Ah)	100				
Nominal energy(KWh)	4.8	9.6	14.4	19.2	24
Module specifcation	4.8KWh 48V 46Kg				
Nominal voltage(V)	48v				
Working voltage(V)	43.5V-54V				
Max discharge curent(A)	100				
Coninuous charging curent(A)	50				
Battery type	LiFePo4				
BMS communication mode	RS485/CAN				
Protection/Security	Overcharge Protection/Undervoltage Protection/Overcurrent Protection				
Cycle Life	Cycle Life >6000 Times				
Operating temperature	-10~50°C				
Discharge efficiency(%)	95				
Dimension(LxWxH)(mm)	430*440*134	430*440*320	430*440*480	430*440*641	430*440*801
Weight(KG)	46	92	138	184	230
Warranty(years)	5 Years				
Water Dust Resistance	IP20				
Cooling mode	Natural Cooling				
Installation mode	In Parallel				
Certifcation	CE/UN38.3/RoHS				

Packing List :

Model	A4.8KWH-1	A4.8KWH-2	A4.8KWH-3	A4.8KWH-4	A4.8KWH-5
Bottom mounting bracket	0	4	8	12	16
top mounting bracket	0	4	4	4	4
M6X14 three-in-one combination screw	0	8	16	24	36
KM4x8 countersunk head cross screws	0	16	24	36	44
25mm2 Red Connect Cable 1000mm	1	1	1	1	1
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Rs485 Connect Cable 1000mm	1	1	1	1	1
25mm2 Black Connect Cable 170mm	0	1	2	3	4
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