



PW5150-S

ENERGY STORAGE SOLUTIONS

PW5150-S lithium battery, featuring nice design, safety LiFePO4 (LFP) cells, reliable BMS and modern battery pack process, widely used for hybrid and off-grid home energy storage system. Various Installation - Flexible Expansion - Compatible with Various Inverters.

Features & Advantages



Various Installation

Wall-mounted or floor standing



Expandable

Capacity up to 40.96 kWh



High Safety

LFP & Smart BMS



Wide Compatibility

Compatible with various inverter brands



Automotive Grade Battery Cell



Cost Effective

Technical Parameters

Model	PW5150-S
Battery Type	LiFePO4
Battery Capacity	50Ah
Nominal Voltage	51.2 V
Working Voltage	40 ~ 58.4 V
Norminal Energy	2.56 kWh
Net Weight	30 Kg
Dimension [L*W*H]	20.94 x 16.73 x 6.96 in (532 x 425 x 170 mm)
Maximum Charge Current	50A
Maximum Discharge Current	1C/50A
Charging Temp. Range	0~60°C
Discharging Temp. Range	-20~60°C
Series/Parallel Number	16S1P
Communication	CAN/RS485
Design Life	7 Years
Cycle Life (25°C@40%DOD)	>8000 Cycles
Cycle Life (25°C@80%DOD)	>4000 Cycles
IP Grade	IP21
Scalability	Up to 16 Units in parallel
Color	Black and gray
Warranty Document Supplied	Yes
Alarms	Overcharge/OverDischarge/Overcurrent /OverTemperature/ShortCircuit
Monitoring & Protection	Built-in smart BMS
Pros	Can be used in both off-grid and hybrid setups, compact design, stack or cabinet installation.
Optional Functions	LCD screen, Circuit breaker
Compatible Inverters	Victron/SMA/Goodwe/SRNE/Solis/SAJ/Grow att/Luxpower/Voltronic/Deye/etc.
Certification & Safety Standard	CE/UN38.3



Due to our policy of continuous product innovation, some specifications may change without notification.

V1.2



PW51100-S

ENERGY STORAGE SOLUTIONS

PW51100-S lithium battery, featuring nice design, safety LiFePO4 (LFP) cells, reliable BMS and modern battery pack process, widely used for hybrid and off-grid home energy storage system. Various Installation - Flexible Expansion - Compatible with Various Inverters.

Features & Advantages



Various Installation

Wall-mounted or floor standing



Expandable

Capacity up to 81.92 kWh



High Safety

LFP & Smart BMS



Wide Compatibility

Compatible with various inverter brands



Automotive Grade Battery Cell



Cost Effective

Technical Parameters

Model	PW51100-S
Battery Type	LiFePO4
Battery Capacity	100 Ah
Nominal Voltage	51.2 V
Working Voltage	40 ~ 58.4 V
Norminal Energy	5.12 kWh
Net Weight	45 Kg
Dimension [L*W*H]	20.94 x 16.73 x 6.96 in (532 x 425 x 170 mm)
Maximum Charge Current	1C/100A
Maximum Discharge Current	1C/100A
Charging Temp. Range	0~60°C
Discharging Temp. Range	-20~60°C
Series/Parallel Number	16S1P
Communication	CAN/RS485
Design Life	20 Years
Cycle Life (25°C@40%DOD)	>8000 Cycles
Cycle Life (25°C@80%DOD)	>4000 Cycles
IP Grade	IP21
Scalability	Up to 16 Units in parallel
Color	Black and gray
Warranty Document Supplied	Yes
Alarms	Overcharge/OverDischarge/Overcurrent /OverTemperature/ShortCircuit
Monitoring & Protection	Built-in smart BMS
Pros	Can be used in both off-grid and hybrid setups, compact design, stack or cabinet installation.
Optional Functions	LCD screen, Circuit breaker
Compatible Inverters	Victron/SMA/Goodwe/SRNE/Solis/SAJ/Grow att/Luxpower/Voltronic/Deye/etc.
Certification & Safety Standard	CE/UN38.3



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V1.2



PW51100-F

ENERGY STORAGE SOLUTIONS

This lithium battery, featuring nice design, safety LiFePO4 (LFP) cells, reliable BMS and modern battery pack process, widely used for **Hybrid** / **Off-Grid** / **Solar** home energy storage system (**Home-ESS**). Flexible Expansion, Compatible with Various Inverters.

Features & Advantages



Various Installation

Wall-Mounted or Floor Standing



Expandable

Capacity up to 81.92kWh



Wide Compatibility

Compatible with Various Inverter Brands



Automotive Grade Battery Cell



High Safety

LFP & Smart BMS

Specifications

Items	Parameters
Battery Type	LiFePO4
Battery Capacity	100Ah
Nominal Voltage	51.2V
Working Voltage	40~58.4V
Normal Energy	5.12kWh
Net Weight	46Kg
Dimension [L*W*H]	22.83*16.93*6.10in (580*430*155mm)
Maximum Charge Current	1C/100A
Maximum Discharge Current	1C/100A
Charge Voltage	58.4V
Discharge Cut-off Voltage	40V
Charging Temp. Range	0~60°C
Discharging Temp. Range	-20~60°C
Series/Parallel Number	16S1P
Design Life	20 Years
Warranty	10 Years
Cycle Life (25°C@40%DOD)	>8000 Cycles
Cycle Life (25°C@80%DOD)	>4000 Cycles
IP Grade	IP65
Max. Parallel Connection	Up to 16 Units in parallel
Communication	CAN/RS485
Color	Gray and white
Alarms	Overcharge/OverDischarge/Overcurrent/ OverTemperature/ShortCircuit
Monitoring & Protection	Built-in smart BMS
Pros	Support off-grid and hybrid working mode, compact design, wall and floor type.
Optional Functions	LCD screen/Circuit breaker
Compatible Inverters	Victron/SMA/Goodwe/SRNE/Solis/SAJ/ Growatt/Luxpower/Voltronic/Deye etc.
Certification & Safety Standard	CE/IEC 62619/RoHS/UN38.3/MSDS



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PW51184-S

ENERGY STORAGE SOLUTIONS

PW51184-S lithium battery, featuring nice design, safety LiFePO4 (LFP) cells, reliable BMS and modern battery pack process, widely used for hybrid and off-grid home energy storage system. Various Installation - Flexible Expansion - Compatible with Various Inverters.

Features & Advantages



Various Installation

Wall-mounted or floor standing



Expandable

Capacity up to 150.72 kWh



High Safety

LFP & Smart BMS



Wide Compatibility

Compatible with various inverter brands



Automotive Grade Battery Cell



Cost Effective

Technical Parameters

Model	PW51184-S
Battery Type	LiFePO4
Battery Capacity	184 Ah
Nominal Voltage	51.2 V
Working Voltage	40 ~ 58.4 V
Norminal Energy	9.42 kWh
Net Weight	80 Kg
Dimension [L*W*H]	20.94 x 28.34 x 6.69 in (535 x 720 x 176.8 mm)
Maximum Charge Current	1C/180A
Maximum Discharge Current	1C/180A
Charging Temp. Range	0~60°C
Discharging Temp. Range	-20~60°C
Series/Parallel Number	16S1P
Communication	CAN/RS485
Design Life	20 Years
Cycle Life (25°C@40%DOD)	>8000 Cycles
Cycle Life (25°C@80%DOD)	>4000 Cycles
IP Grade	IP21
Scalability	Up to 15 Units in parallel
Color	Black and gray
Warranty Document Supplied	Yes
Alarms	Overcharge/OverDischarge/Overcurrent /OverTemperature/ShortCircuit
Monitoring & Protection	Built-in smart BMS
Pros	Can be used in both off-grid and hybrid setups, compact design, stack or cabinet installation.
Optional Functions	LCD screen, Circuit breaker
Compatible Inverters	Victron/SMA/Goodwe/SRNE/Solis/SAJ/Grow att/Luxpower/Voltronic/Deye/etc.
Certification & Safety Standard	CE/UN38.3



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V1.0



PW51200-S

ENERGY STORAGE SOLUTIONS

This lithium battery, featuring nice design, safety LiFeP04 (LFP) cells, reliable BMS and modern battery pack process, widely used for hybrid and off-grid home energy storage system. Various Installation - Flexible Expansion - Compatible with Various Inverters.

Features & Advantages



Various Installation

Wall-mounted or floor standing



Expandable

Capacity up to 153.6kWh



High Safety

LFP & Smart BMS

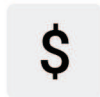


Wide Compatibility

Compatible with various inverter brands



Automotive Grade Battery Cell



Cost Effective

Technical Parameters

Model	PW51200-S
Battery Type	LiFePO4
Battery Capacity	200Ah
Nominal Voltage	51.2V
Working Voltage	40 ~ 58.4V
Norminal Energy	10.24kWh
Net Weight	80Kg
Dimension [L*W*H]	20.94*28.34*6.69in (535*720*176.8mm)
Maximum Charge Current	1C/180A
Maximum Discharge Current	1C/180A
Charging Temp. Range	0~60°C
Discharging Temp. Range	-20~60°C
Series/Parallel Number	16S1P
Communication	CAN/RS485
Design Life	20 Years
Cycle Life (25°C@40%DOD)	>8000 Cycles
Cycle Life (25°C@80%DOD)	>4000 Cycles
IP Grade	IP21
Scalability	Up to 15 Units in parallel
Color	Black and gray
Warranty Document Supplied	Yes
Alarms	Overcharge/OverDischarge/Overcurrent/ OverTemperature/ShortCircuit
Monitoring & Protection	Built-in smart BMS
Pros	Can be used in both off-grid and hybrid setups, compact design, stack or cabinet installation.
Optional Functions	LCD screen/Circuit breaker
Compatible Inverters	Victron/SMA/Goodwe/SRNE/Solis/SAJ/Grow att/Luxpower/Voltronic/Deye/etc.
Certification & Safety Standard	CE/UN38.3



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