

DP-12100 (12.8V 100AH)



Technical Specifications



Model Number	DP-12100
Nominal Voltage	12.8V
Rated Capacity	100 Ah
Energy	1280Wh
Cycle Life	>3000 Cycles @0.5C
Model	SP50160119F
Typical Capacity	100AH
Rated Voltage	3.2V
Cell Configuration	4S1P
Charge Voltage	14.4V±0.2V
Charge Mode	0.5C to 14.4V,then 14.4V,charge current to 0.02C(CC/Cv)
Charge Current	50A
Max. Charge Current	100A
Max. Continuous Discharge Current	100A
Discharge Cut-off Voltage	10V
Charge Temperature Range	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity
Discharge Temperature Range	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature Range	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity
Ingress Protection (IP Rating)	Ip65
Enclosure Material	ABS
Dimensions (mm)	318*184*196mm
Weight (kg)	9.5KG

Product Features



Balanced, safe, long-cycle, and durable lithium iron phosphate battery cells



Maintenance-free design, requiring no daily care



Wide temperature range, operating normally from -20°C to 60°C



Built-in automatic overcharge, over-discharge, overcurrent, and over-temperature protection

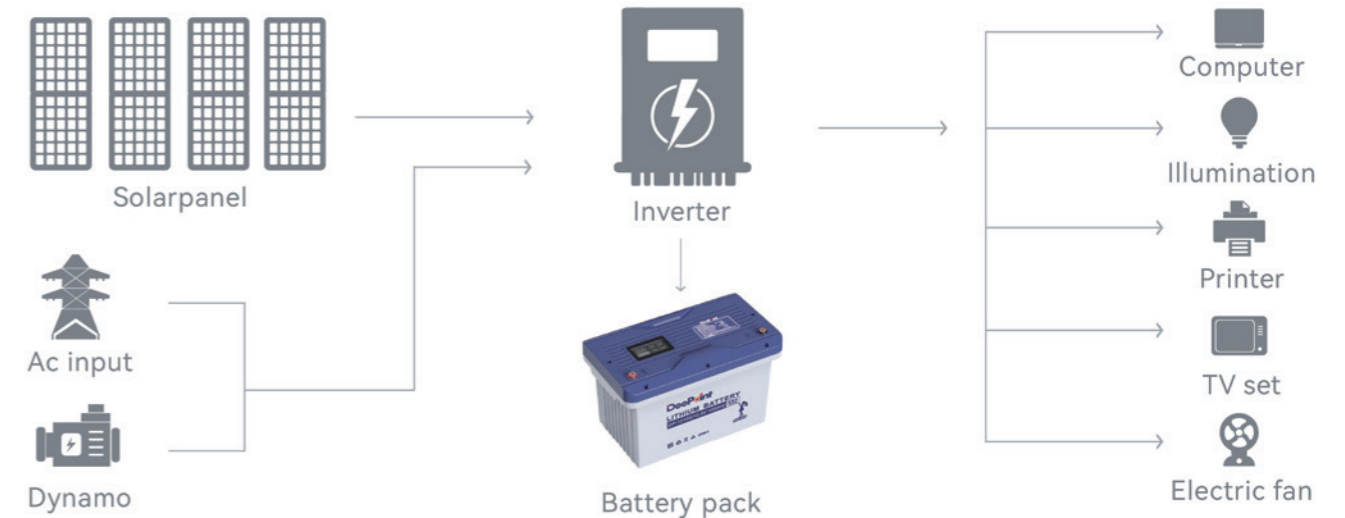


Supports series connection for flexible expansion and multiple application scenarios



Maintenance-free design, requiring no daily care

Technical Specifications



DP-12200 (12.8V 200AH)



Technical Specifications



Model Number	DP-12200
Nominal Voltage	12.8V
Rated Capacity	200 Ah
Energy	2560 Wh
Cycle Life	≥3000 Cycles @0.5C
Model	GSP54173200F
Typical Capacity	200AH
Rated Voltage	3.2V
Cell Configuration	4S1P
Charge Voltage	14.4V±0.2V
Charge Mode	0.5C to 14.4V,then 14.4V,charge current to 0.02C(CC/Cv)
Charge Current	100A
Max. Charge Current	150A
Max. Continuous Discharge Current	150A
Discharge Cut-off Voltage	10V
Charge Temperature Range	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity
Discharge Temperature Range	-20 °C to 55 °C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature Range	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity
Ingress Protection (IP Rating)	Ip65
Enclosure Material	ABS
Dimensions (mm)	302*214*258mm
Weight (kg)	19.5KG

Product Features



Balanced, safe, long-cycle, and durable lithium iron phosphate battery cells



Maintenance-free design, requiring no daily care



Wide temperature range, operating normally from -20°C to 60°C



Built-in automatic overcharge, over-discharge, overcurrent, and over-temperature protection

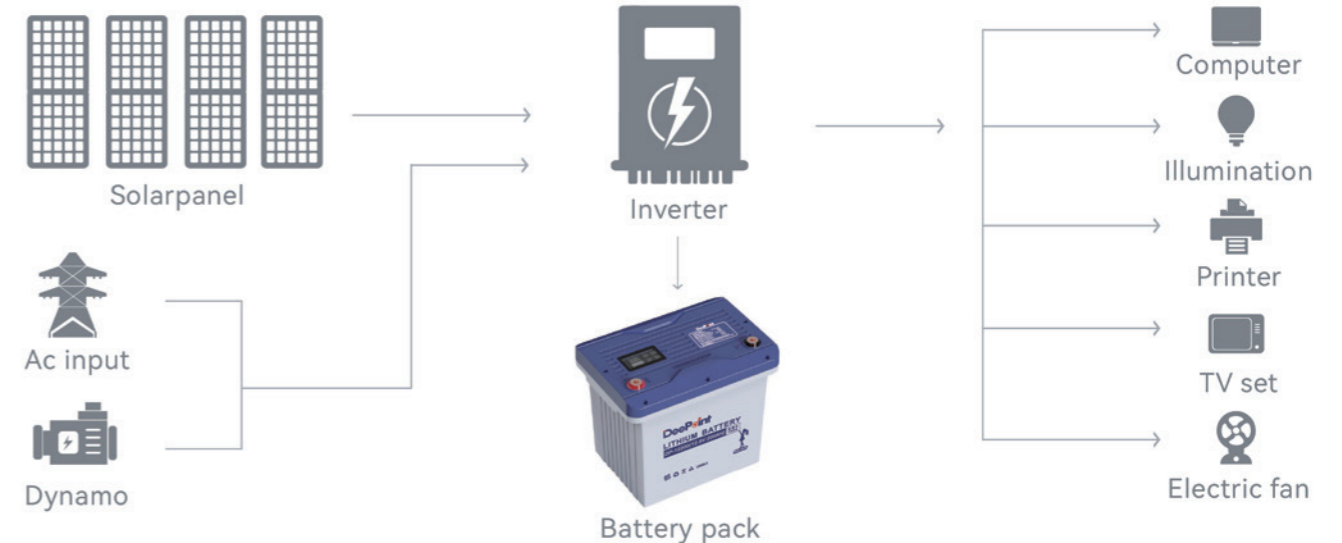


Supports series connection for flexible expansion and multiple application scenarios



Maintenance-free design, requiring no daily care

Technical Specifications



DP-12300 (12.8V 300AH)



Product Features



Balanced, safe, long-cycle, and durable lithium iron phosphate battery cells



Maintenance-free design, requiring no daily care



Wide temperature range, operating normally from -20°C to 60°C



Built-in automatic overcharge, over-discharge, overcurrent, and over-temperature protection



Supports series connection for flexible expansion and multiple application scenarios



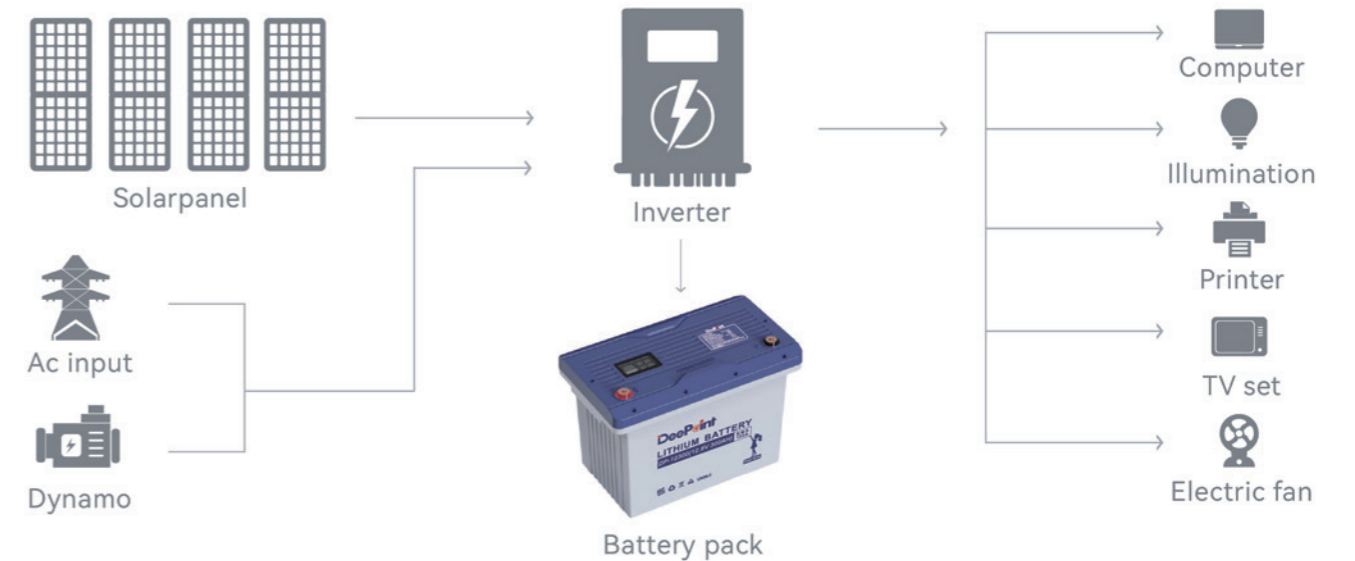
Maintenance-free design, requiring no daily care

Technical Specifications



Model Number	DP-12300
Nominal Voltage	12.8V
Rated Capacity	300Ah
Energy	3840Wh
Cycle Life	≥6000 Cycles @0.5C
Model	GSP71173204F
Typical Capacity	300AH
Rated Voltage	3.2V
Cell Configuration	4S1P
Charge Voltage	14.4V±0.2V
Charge Mode	0.5C to 14.4V; then 14.4V, charge current to 0.02C(CC/Cv)
Charge Current	150A
Max. Charge Current	150A
Max. Continuous Discharge Current	150A
Discharge Cut-off Voltage	10V
Charge Temperature Range	0°C to 55 °C(32F to 113F)@60±25% Relative Humidity
Discharge Temperature Range	-20 °C to 55 °C (-4F to 140F)@60±25% Relative Humidity
Storage Temperature Range	0 °C to 40 °C(32F to 104F)@60+25%Relative Humidity
Ingress Protection (IP Rating)	Ip65
Enclosure Material	ABS
Dimensions (mm)	379*218*262mm
Weight (kg)	26KG

Technical Specifications



DP-51200 (51.2V 200AH)



Product Features

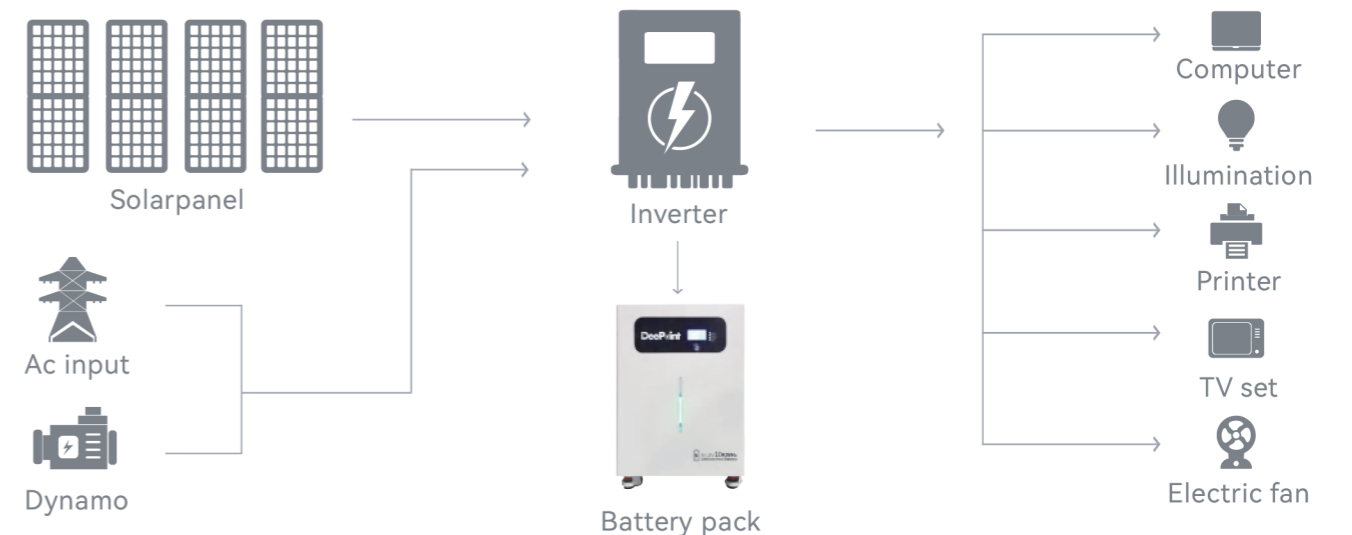
- Wide Applications Off-grid, Hybrid Back-up, Peak Shaving, and Virtual Power Plant Home Appliances, Uninterrupted Power Supply
- Support a variety of communication protocols, support RS485, RS232, CAN
- Long cycle life, using high-quality LiFePO4 Cells, the cycle life is as high as 4500 times
- Compatible with leading inverters
- Intelligent battery management system High reliability BMS, 10 year tested. Accurate & Stable
- In the extreme performance safety test, the battery will not catch fire, explode, leak, and be safe to use.

Technical Specifications



Model Number	DP-51200
Nominal Voltage	51.2V
Rated Energy	10240wh
Nominal Capacity	200Ah
Cell Configuration	16S1P
Cycle Life	≥6000cyc@80%DOD@35°C
Monthly Self-Discharge Rate	3%/month
Charging Efficiency	≥97%
Discharge Efficiency	≥98%
Recommended Charging Voltage	57.6V
Recommended Charging Current	100A
Maximum Charging Voltage	58.4V
Maximum Charging Current	150A
Recommended Discharge Current	150A
Maximum Discharge Current	200A
Discharge Cut-off Voltage	43.2V
Battery Dimensions (W×D×H) (mm)	750.6*480.2*239.4MM
Packaging Dimensions (W×D×H) (mm)	795*555*395MM
Net Weight (kg)	85.8kg
Gross Weight (kg)	98.5kg
IP Rating	IP30
Enclosure Material	Case of metal
Charging Temperature Range	0°C~45°C
Discharging Temperature Range	-20°C~60°C
Storage Temperature Range	0°C~40°C
Operating Humidity Range	10%-85%relative humidity (no condensation)
Communication Interface	CAN/RS232/RS485
Scalability	Max 15pieces in parallel

Technical Specifications



DP-51300 (51.2V 300AH)



Product Features

- Wide Applications Off-grid, Hybrid Back-up, Peak Shaving, and Virtual Power Plant Home Appliances, Uninterrupted Power Supply
- Support a variety of communication protocols, support RS485, RS232, CAN
- Long cycle life, using high-quality LiFePO4 Cells, the cycle life is as high as 4500 times
- Compatible with leading inverters
- Intelligent battery management system High reliability BMS, 10 year stested. Accurate & Stable
- In the extreme performance safety test, the battery will not catch fire, explode, leak, and be safe to use.

Technical Specifications



Model Number	DP-51300
Nominal Voltage	51.2V
Rated Energy	15360Wh
Nominal Capacity	300Ah
Cell Configuration	16S1P
Cycle Life	≥6000cyc@80%DOD@35°C
Monthly Self-Discharge Rate	3%/month
Charging Efficiency	≥97%
Discharge Efficiency	≥98%
Recommended Charging Voltage	57.6V
Recommended Charging Current	100A
Maximum Charging Voltage	58.4V
Maximum Charging Current	150A
Recommended Discharge Current	150A
Maximum Discharge Current	200A
Discharge Cut-off Voltage	43.2V
Battery Dimensions (W×D×H) (mm)	902*518*235MM
Packaging Dimensions (W×D×H) (mm)	935*540*395MM
Net Weight (kg)	115.5kg
Gross Weight (kg)	130.5kg
IP Rating	IP30
Enclosure Material	Case of metal
Charging Temperature Range	0°C~45°C
Discharging Temperature Range	-20°C~60°C
Storage Temperature Range	0°C~40°C
Operating Humidity Range	10%-85% relative humidity (no condensation)
Communication Interface	CAN/RS232/RS485
Scalability	Max 15 pieces in parallel

Technical Specifications

