



ZONERGY

ZSPD Series Product Catalog

Zonergy | Clean Energy, Everywhere



ZSPD Series

Portable Solar home system

Light weight, portable, and powerful
Integrated Solar Power Supply
For Home Lighting, and Mobile Charging



5-hour Fast Charging



Max. 400000mAh Battery Capacity



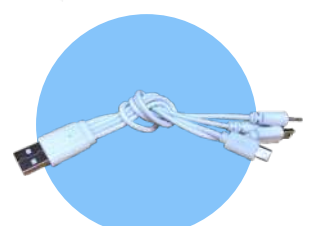
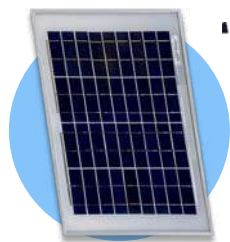
Multiple Built-in Protection



4-6 DC output, 2 USB output



Package Contents



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ZSPD Series Solar Home System

Product features

1. Multi-Protection Function: Stay safe with ZSPD series!
2. Built-in protection: Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, PV polarity reverse connection protection
3. Intuitive LED indicating function
4. Beautiful, economical, and practical Intergrated design.
5. Lightweight design, easy to carry with one hand.
6. Multiple output ports: meet all your needs with one device
7. 5V USB standard output port provides continuous charging for mobile phone.
8. 12V output port supplies power for most DC appliances;

Model	Product Apperance	Description	Unit price (USD) Ex. Factory	PACKING	Size/Weight
ZSPD0010		<ol style="list-style-type: none"> 1. Solar PV modules: 18V/10W*1PC,with 8m PV Cable 2. Battery capacity: 4Ah/12.8Vdc. LFP*1PC 3. Accessories details: 8m PV cable*1PC, 2W/210lm LED light*3PC, 5m light cable*3PC, 4. Output Port: 5Vdc/1A USB port*2, 12.8Vdc/0.5A output port*4 5. Load Power: 32W 6. Working hours: 8hrs for 3*2W LED lights 7. Charging time: 5hrs 8. Warranty: 2 years 9. Load Current: 2.5A 10. Max.charge current: 3A 	\$27-30	12sets/CTN 23kg/CTN CTN size: 238×134×230mm	93.1×197.1×69.1mm N.W.: 0.65kg G.W.: 1.6kg
ZSPD0020		<ol style="list-style-type: none"> 1. Solar PV modules: 18V/20W*1PC,with 8m PV Cable 2. Battery capacity: 6Ah/12.8Vdc. LFP*1PC 3. Accessories details: 2W/190lm LED light*3PC,5m light cable*3PC 4. Output Port: 5Vdc/1A USB port*2,12.8Vdc/0.5A output port*4 5. Load Power: 32W 6. Working hours: 12hrs for 3*2W LED lights 7. Charging time: 4hrs 8. Warranty: 2 years 9. Load Current: 2.5A 10. Max.charge current: 3A 	\$34-38	12sets/CTN 32kg/CTN CTN size: 238×134×230mm	93.1×197.1×69.1mm N.W.: 0.85kg G.W.: 1.8kg
ZSPD0030		<ol style="list-style-type: none"> 1. Solar PV modules: 18V/30W*1PC,with 8m PV Cable 2. Battery capacity: 12Ah/12.8Vdc. LFP*1PC 3. Accessories details: 8m PV cable*1PC, 3W/310lm LED light*3PC, 5m light cable*3PC, five in one USB cable 4. Output Port: 5Vdc/1A USB port*2,12.8Vdc/2.5A output port*6 5. Load Power: 64W 6. Working hours: 17hrs for 3*3W LED lights 7. Charging time: 5hrs 8. Warranty: 2 years 9. Load Current: 5A 10. Max.charge current: 10A 	\$56-64	6sets/CTN 22kg/CTN CTN size: 273×210×210mm	170×216.7×163mm N.W.: 2.05kg G.W.: 3.25kg
ZSPD0050		<ol style="list-style-type: none"> 1. Solar PV modules: 18V/50W*1PC,with 8m PV Cable 2. Battery capacity: 18Ah/12.8Vdc. LFP*1PC 3. Accessories details: 8m PV cable*1PC, 3W/310lm LED light*3PC, 5m light cable*3PC, five in one USB cable 4. Output Port: 5Vdc/1A USB port*2, 12.8Vdc/2.5A output port*6 5. Load Power: 64W 6. Working hours: 25hrs for 3*3W LED lights 7. Charging time: 4.5hrs 8. Warranty: 2 years 9. Load Current: 5A 10. Max.charge current: 10A 	\$71-81	6sets/CTN 25kg/CTN CTN size: 273×210×210mm	170×216.7×163mm N.W.: 2.65kg G.W.: 3.8kg
ZSPD0060		<ol style="list-style-type: none"> 1. Solar PV modules: 18V/60W*1PC,with 8m PV Cable 2. Battery capacity: 20Ah/12.8Vdc. LFP*1PC 3. Accessories details: 8m PV cable*1PC, 3W/310lm LED light*3PC, 5m light cable*3PC, five in one USB cable 4. Output Port: 5Vdc/1A USB port*2,12.8Vdc/2.5A output port*6 5. Load Power: 64W 6. Working hours: 28hrs for 3*3W LED lights 7. Charging time: 4.5hrs 8. Warranty: 2 years 9. Load Current: 5A 10. Max.charge current: 10A 	\$77-88	6sets/CTN 29kg/CTN CTN size: 273×210×210mm	170×216.7×163mm N.W.: 2.85kg G.W.: 4kg
ZSPD0080		<ol style="list-style-type: none"> 1. Solar PV modules: 18V/80W*1PC,with 8m PV Cable 2. Battery capacity: 28Ah/12.8Vdc. LFP*1PC 3. Accessories details: 8m PV cable*1PC, 5W/380lm LED light*4PC, 5m light cable*4PC, five in one USB cable 4. Output Port: 5Vdc/1A USB port*2, 12.8Vdc/2.5A LED port*6, 12.8Vdc/5A output port*2, 12.8Vdc/8A cigarette lighter socket*1. 5. Load Power: 128W 6. Working hours: 18hrs for 4*5W LED lights 7. Charging time: 4.5hrs 8. Warranty: 2 years 9. Load Current: 10A 10. Max.charge current: 10A 	\$105-120	4sets/CTN 24kg/CTN CTN size: 440×210×240mm	170×282.7×189mm N.W.: 4.65kg G.W.: 6.2kg
ZSPD0100		<ol style="list-style-type: none"> 1. Solar PV modules: 18V/100W*1PC,with 8m PV Cable 2. Battery capacity: 40Ah/12.8Vdc. LFP*1PC 3. Accessories details: 8m PV cable*1PC, 5W/380lm LED light*4PC, 5m light cable*4PC, five in one USB cable 4. Output Port: 5Vdc/1A USB port*2, 12.8Vdc/2.5A LED port*6, 12.8Vdc/5A output port*2, 12.8Vdc/8A cigarette lighter socket*1. 5. Load Power: 128W 6. Working hours: 25hrs for 4*5W LED lights 7. Charging time: 5hrs 8. Warranty: 2 years 9. Load Current: 10A 10. Max.charge current: 10A 	\$127-145	4sets/CTN 28kg/CTN CTN size: 440×210×240mm	170×282.7×189mm N.W.: 5.35kg G.W.: 6.75kg

Remarks: 1.Packing: standard 2.color: Blue. Yellow and Green require MOQ>2000 3.Shipping Mark: Upon customer's request 4.Lead time: 5-10days 5.Port of shipment: ShenZhen, China

ZSPD0010 Technical Specification

Product features

1. Multi-Protection Function: Stay safe with ZSPD series!
2. Built-in protection: Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, PV polarity reverse connection protection
3. Intuitive LED indicating function
4. Beautiful, economical, and practical Intergrated design.
5. Lightweight design, easy to carry with one hand.
6. Multiple output ports: meet all your needs with one device
7. 5V USB standard output port provides continuous charging for mobile phone.
8. 12V output port supplies power for most DC appliances;

Product Appearance



PV Module Details

PV modules	18V/10W*1PC
PV module type	Polycrystalline Silicon
Maximum Power	10W
Nominal Voltage	18V
PV Dimension(mm)	355*250*17
PV Weight(kg)	1.1
Tolerance (%)	± 3%
Open Circuit Voltage (V)	22.5
Maximum Power Voltage (V)	17.96
Maximum Power Current (A)	0.56
Short Circuit Current (A)	0.62
Module Efficiency (%)	11.3
Solar Cell Efficiency (%)	19
Series Fuse Rating (A)	5
Terminal Box	IP65
Maximum system voltage (V)	DC1000
Operating Temperature(°C)	-40°C ---85°C

General Informantion

Product Name	ZSPD0010
Dimensions(mm)	93.1×197.1×69.1
Total Weights(kg)	1.6kg
Packing Information	12 sets/CTN 23kg/CTN 238×134×230
Accessories details	8m PV cable*1PC 2W/210lm LED light bulbs*3PC five in one USB cable 5m light cable*3PC
Output Ports Information	5Vdc/1A USB port*2 12.8Vdc/0.5A output port*4 32W
Load Power	32W
Optional Accessories	Flashlight, Radio
Working Hours	8hrs for 3*2W LEDs
Charging Time	5 hrs

lighting Information

Power	2W
Type	LED
Quantity	3
Light Intensity	210 lumens

Price Details

Item	Quantity	Price	
ZSPD0010 Portable Solar Power System	≥1		\$30.00
	>100		\$28.50
	>5000		\$27.00

Accessories:

18V/10W Polycrystalline Silicon Solar Panel	1		
8m PV cable	1		
2W/210lm LED light	3		
Five-in-one USB cable	1		
5m light cable	3		
Optional Accessories			
Flashlight	1		\$9.99
Radio	1		\$6.99

Battery Details

Battery capacity	4Ah/12.8Vdc
Battery Chemistry	LFP
Battery Nominal Voltage	12.8V
Battery Charging Voltage	14.2
Cycle Performance	1000

Controller Details

Controller Max.Charge Current	3
Load Current	2.5
LED Indicator	Solar charging indicator, battery power indicator, load status indicator

ZSPD0020 Technical Specification

Product features

1. Multi-Protection Function: Stay safe with ZSPD series!
2. Built-in protection: Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, PV polarity reverse connection protection
3. Intuitive LED indicating function
4. Beautiful, economical, and practical Intergrated design.
5. Lightweight design, easy to carry with one hand.
6. Multiple output ports: meet all your needs with one device
7. 5V USB standard output port provides continuous charging for mobile phone.
8. 12V output port supplies power for most DC appliances;

Product Appearance



PV Module Details

PV modules	18V/20W*1PC
PV module type	Polycrystalline Silicon
Maximum Power	20W
Nominal Voltage	18V
PV Dimension(mm)	465*350*17
PV Weight(kg)	2
Tolerance (%)	± 3%
Open Circuit Voltage (V)	22.5
Maximum Power Voltage (V)	17.96
Maximum Power Current (A)	1.11
Short Circuit Current (A)	1.2
Module Efficiency (%)	12.3
Solar Cell Efficiency (%)	17
Series Fuse Rating (A)	5
Terminal Box	IP65
Maximum system voltage (V)	DC1000
Operating Temperature(°C)	-40°C ---85°C

General Informantion

Product Name	ZSPD0020
Dimensions(mm)	93.1×197.1×69.1
Total Weights(kg)	1.8kg
Packing Information	12 sets/CTN 32kg/CTN 238×134×230
Accessories details	8m PV cable*1PC 2W/210lm LED light bulbs*3PC five in one USB cable 5m light cable*3PC
Output Ports Information	5Vdc/1A USB port*2 12.8Vdc/0.5A output port*4 32W
Load Power	32W
Optional Accessories	Flashlight, Radio
Working Hours	12hrs for 3*2W LEDs
Charging Time	5 hrs

lighting Information

Power	2W
Type	LED
Quantity	3
Light Intensity	210 lumens

Price Details

Item	Quantity	Price	
ZSPD0020 Portable Solar Power System	≥1		\$38.00
	>100		\$36.00
	>1000		\$34.00

Accessories:

18V/20W Polycrystalline Silicon Solar Panel	1		
8m PV cable	1		
2W/210lm LED light	3		
Five-in-one USB cable	1		
5m light cable	3		
Optional Accessories			
Flashlight	1		\$9.99
Radio	1		\$6.99

Battery Details

Battery capacity	6Ah/12.8Vdc
Battery Chemistry	LFP
Battery Nominal Voltage	12.8V
Battery Charging Voltage	14.2
Cycle Performance	1000

Controller Details

Controller Max.Charge Current	3
Load Current	2.5
LED Indicator	Solar charging indicator, battery power indicator, load status indicator

ZSPD0030 Technical Specification

Product features

1. Multi-Protection Function: Stay safe with ZSPD series!
2. Built-in protection: Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, PV polarity reverse connection protection
3. Intuitive LED indicating function
4. Beautiful, economical, and practical Intergrated design.
5. Lightweight design, easy to carry with one hand.
6. Multiple output ports: meet all your needs with one device
7. 5V USB standard output port provides continuous charging for mobile phone.
8. 12V output port supplies power for most DC appliances;

Product Appearance



PV Module Details

PV modules	18V/30W*1PC
PV module type	Polycrystalline Silicon
Maximum Power	30W
Nominal Voltage	18V
PV Dimension(mm)	625*350*25
PV Weight(kg)	3.3
Tolerance (%)	± 3%
Open Circuit Voltage (V)	22.5
Maximum Power Voltage (V)	17.96
Maximum Power Current (A)	0.18
Short Circuit Current (A)	0.2
Module Efficiency (%)	1.5
Solar Cell Efficiency (%)	18.2
Series Fuse Rating (A)	5
Terminal Box	IP65
Maximum system voltage (V)	DC1000
Operating Temperature(°C)	-40°C ---85°C

General Informantion

Product Name	ZSPD0030
Dimensions(mm)	170×216.7×163mm
Total Weights(kg)	3.25
Packing Information	6 sets/CTN 22kg/CTN 273×210×210
Accessories details	8m PV cable*1PC 3W/310lm LED light bulbs*3PC five in one USB cable 5m light cable*3PC
Output Ports Information	5Vdc/1A USB port*2 12.8Vdc/0.5A output port*6 64W
Load Power	64W
Optional Accessories	Flashlight, Radio
Working Hours	17hrs for 3*3W LEDs
Charging Time	5 hrs

lighting Information

Power	3W
Type	LED
Quantity	3
Light Intensity	310 lumens

Price Details

Item	Quantity	Price	
ZSPD0030 Portable Solar Power System	≥1		\$64.00
	>100		\$60.00
	>1000		\$56.00

Accessories:

18V/30W Polycrystalline Silicon Solar Panel	1		
8m PV cable	1		
3W/310lm LED light	3		
Five-in-one USB cable	1		
5m light cable	3		
Optional Accessories			
Flashlight	1		\$9.99
Radio	1		\$6.99

Battery Details

Battery capacity	12Ah/12.8Vdc
Battery Chemistry	LFP
Battery Nominal Voltage	12.8V
Battery Charging Voltage	14.2
Cycle Performance	1000

Controller Details

Controller Max.Charge Current	5A
Load Current	10A
LED Indicator	Solar charging indicator, battery power indicator, load status indicator

ZSPD0050 Technical Specification

Product features

1. Multi-Protection Function: Stay safe with ZSPD series!
2. Built-in protection: Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, PV polarity reverse connection protection
3. Intuitive LED indicating function
4. Beautiful, economical, and practical Intergrated design.
5. Lightweight design, easy to carry with one hand.
6. Multiple output ports: meet all your needs with one device
7. 5V USB standard output port provides continuous charging for mobile phone.
8. 12V output port supplies power for most DC appliances;

Product Appearance



PV Module Details

PV modules	18V/50W*1PC
PV module type	Polycrystalline Silicon
Maximum Power	50W
Nominal Voltage	18V
PV Dimension(mm)	685*515*30
PV Weight(kg)	4.6
Tolerance (%)	± 3%
Open Circuit Voltage (V)	21.96
Maximum Power Voltage (V)	17.57
Maximum Power Current (A)	0.26
Short Circuit Current (A)	0.3
Module Efficiency (%)	1.3
Solar Cell Efficiency (%)	1.6
Series Fuse Rating (A)	10
Terminal Box	IP65
Maximum system voltage (V)	DC1000
Operating Temperature(°C)	-40°C ---85°C

General Informantion

Product Name	ZSPD0050
Dimensions(mm)	170×216.7×163mm
Total Weights(kg)	3.8
Packing Information	6 sets/CTN 25kg/CTN 273×210×210
Accessories details	8m PV cable*1PC 3W/310lm LED light bulbs*3PC five in one USB cable 5m light cable*3PC
Output Ports Information	5Vdc/1A USB port*2 12.8Vdc/0.5A output port*6 64W
Load Power	64W
Optional Accessories	Flashlight, Radio
Working Hours	25hrs for 3*3W LEDs
Charging Time	5 hrs

lighting Information

Power	3W
Type	LED
Quantity	3
Light Intensity	310 lumens

Price Details

Item	Quantity	Price	
ZSPD0050 Portable Solar Power System	≥1		\$81.00
	>100		\$76.00
	>1000		\$71.00

Accessories:

18V/50W Polycrystalline Silicon Solar Panel	1		
8m PV cable	1		
3W/310lm LED light	3		
Five-in-one USB cable	1		
5m light cable	3		
Optional Accessories			
Flashlight	1		\$9.99
Radio	1		\$6.99

Battery Details

Battery capacity	18Ah/12.8Vdc
Battery Chemistry	LFP
Battery Nominal Voltage	12.8V
Battery Charging Voltage	14.2
Cycle Performance	1000

Controller Details

Controller Max.Charge Current	5A
Load Current	10A
LED Indicator	Solar charging indicator, battery power indicator, load status indicator

ZSPD0060 Technical Specification

Product features

1. Multi-Protection Function: Stay safe with ZSPD series!
2. Built-in protection: Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, PV polarity reverse connection protection
3. Intuitive LED indicating function
4. Beautiful, economical, and practical Intergrated design.
5. Lightweight design, easy to carry with one hand.
6. Multiple output ports: meet all your needs with one device
7. 5V USB standard output port provides continuous charging for mobile phone.
8. 12V output port supplies power for most DC appliances;

Product Appearance



PV Module Details

PV modules	18V/60W*1PC
PV module type	Polycrystalline Silicon
Maximum Power	60W
Nominal Voltage	18V
PV Dimension(mm)	685*515*30
PV Weight(kg)	4.6
Tolerance (%)	± 3%
Open Circuit Voltage (V)	22.03
Maximum Power Voltage (V)	18.36
Maximum Power Current (A)	2.72
Short Circuit Current (A)	2.94
Module Efficiency (%)	1.3
Solar Cell Efficiency (%)	18
Series Fuse Rating (A)	5
Terminal Box	IP63
Maximum system voltage (V)	DC1000
Operating Temperature(°C)	-40°C ---85°C

General Informantion

Product Name	ZSPD0060
Dimensions(mm)	170×216.7×163mm
Total Weights(kg)	4
Packing Information	6 sets/CTN 29kg/CTN 273×210×210
Accessories details	8m PV cable*1PC 3W/310lm LED light bulbs*3PC five in one USB cable 5m light cable*3PC
Output Ports Information	5Vdc/1A USB port*2 12.8Vdc/0.5A output port*6
Load Power	64W
Optional Accessories	Flashlight, Radio
Working Hours	28hrs for 3*3W LEDs
Charging Time	5 hrs

lighting Information

Power	5W
Type	LED
Quantity	4
Light Intensity	380 lumens

Price Details

Item	Quantity	Price
ZSPD0060 Portable Solar Power System	≥1	\$88.00
	>100	\$81.00
	>1000	\$77.00

Accessories:		
18V/60W Polycrystalline Silicon Solar Panel	1	
8m PV cable	1	
3W/310lm LED light	3	
Five-in-one USB cable	1	
5m light cable	3	
Optional Accessories		
Flashlight	1	\$9.99
Radio	1	\$6.99

Battery Details

Battery capacity	20Ah/12.8Vdc
Battery Chemistry	LFP
Battery Nominal Voltage	12.8V
Battery Charging Voltage	14.2
Cycle Performance	1000

Controller Detials

Controller Max.Charge Current	5A
Load Current	10A
LED Indicator	Solar charging indicator, battery power indicator, load status indicator

ZSPD0080 Technical Specification

Product features

1. Multi-Protection Function: Stay safe with ZSPD series!
2. Built-in protection: Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, PV polarity reverse connection protection
3. Intuitive LED indicating function
4. Beautiful, economical, and practical Intergrated design.
5. Lightweight design, easy to carry with one hand.
6. Multiple output ports: meet all your needs with one device
7. 5V USB standard output port provides continuous charging for mobile phone.
8. 12V output port supplies power for most DC appliances;

Product Appearance



PV Module Details

PV modules	18V/80W*1PC
PV module type	Polycrystalline Silicon
Maximum Power	80W
Nominal Voltage	18V
PV Dimension(mm)	758*670*30
PV Weight(kg)	6.5
Tolerance (%)	± 3%
Open Circuit Voltage (V)	21.96
Maximum Power Voltage (V)	17.57
Maximum Power Current (A)	0.37
Short Circuit Current (A)	0.4
Module Efficiency (%)	1.3
Solar Cell Efficiency (%)	1.5
Series Fuse Rating (A)	10
Terminal Box	IP65
Maximum system voltage (V)	DC1000
Operating Temperature(°C)	-40°C ---85°C

General Informantion

Product Name	ZSPD0080
Dimensions(mm)	170×282.7×189
Total Weights(kg)	6.2
Packing Information	4 sets/CTN 24kg/CTN 440×210×240
Accessories details	8m PV cable*1PC 5W/380lm LED light bulbs*4PC five in one USB cable 5m light cable*4PC
Output Ports Information	5Vdc/1A USB port*2 12.8Vdc/8A cigarette lighter socket*1. 12.8Vdc/0.5A output port*6
Load Power	128W
Optional Accessories	Flashlight, Radio
Working Hours	18hrs for 3*3W LEDs
Charging Time	5 hrs

lighting Information

Power	5W
Type	LED
Quantity	4
Light Intensity	380 lumens

Price Details

Item	Quantity	Price
ZSPD0080 Portable Solar Power System	≥1	\$120.00
	>100	\$113.00
	>1000	\$105.00

Accessories:		
18V/80W Polycrystalline Silicon Solar Panel	1	
8m PV cable	1	
5W/380lm LED light	4	
Five-in-one USB cable	1	
5m light cable	4	
Optional Accessories		
Flashlight	1	\$9.99
Radio	1	\$6.99

Battery Details

Battery capacity	28Ah/12.8Vdc
Battery Chemistry	LFP
Battery Nominal Voltage	12.8V
Battery Charging Voltage	14.2
Cycle Performance	1000

Controller Details

Controller Max.Charge Current	10A
Load Current	10A
LED Indicator	Solar charging indicator, battery power indicator, load status indicator

ZSPD0100 Technical Specification

Product features

- 1. Multi-Protection Function: Stay safe with ZSPD series!**
- 2. Built-in protection: Overcharge protection, overdischarge protection, overcurrent protection, short circuit protection, PV polarity reverse connection protection**
- 3. Intuitive LED indicating function**
- 4. Beautiful, economical, and practical Intergrated design.**
- 5. Lightweight design, easy to carry with one hand.**
- 6. Multiple output ports: meet all your needs with one device**
- 7. 5V USB standard output port provides continuous charging for mobile phone.**
- 8. 12V output port supplies power for most DC appliances;**

Product Appearance



General Informantion

Product Name	ZSPD0100
Dimensions(mm)	170×282.7×189
Total Weights(kg)	6.75
Packing Information	4 sets/CTN 28kg/CTN 440×210×240
Accessories details	8m PV cable*1PC 5W/380lm LED light bulbs*4PC five in one USB cable 5m light cable*4PC
Output Ports Information	12.8Vdc/8A cigarette lighter socket*1. 12.8Vdc/0.5A output port*6 128W
Load Power	128W
Optional Accessories	Flashlight, Radio
Working Hours	25hrs for 4*5W LEDs
Charging Time	5 hrs

lighting Information

Power	5W
Type	LED
Quantity	4
Light Intensity	380 lumens

Price Details

Item	Quantity	Price
ZSPD0100 Portable Solar Power System	≥1	\$145.00
	>100	\$136.00
	>1000	\$127.00

Accessories:	Quantity	Price
18V/100W Polycrystalline Silicon Solar Panel	1	
8m PV cable	1	
5W/380lm LED light	4	
Five-in-one USB cable	1	
5m light cable	4	
Optional Accessories		
Flashlight	1	\$9.99
Radio	1	\$6.99

Battery Details

Battery capacity	40Ah/12.8Vdc
Battery Chemistry	LFP
Battery Nominal Voltage	12.8V
Battery Charging Voltage	14.2
Cycle Performance	1000

Controller Details

Controller Max.Charge Current	10A
Load Current	10A
LED Indicator	Solar charging indicator, battery power indicator, load status indicator

PV Module Details

PV modules	18V/100W*1PC
PV module type	Polycrystalline Silicon
Maximum Power	100W
Nominal Voltage	18V
PV Dimension(mm)	1016*670*30
PV Weight(kg)	7.5
Tolerance (%)	± 3%
Open Circuit Voltage (V)	21.96
Maximum Power Voltage (V)	17.57
Maximum Power Current (A)	0.43
Short Circuit Current (A)	0.5
Module Efficiency (%)	1.1
Solar Cell Efficiency (%)	1.3
Series Fuse Rating (A)	10
Terminal Box	IP65
Maximum system voltage (V)	DC1000
Operating Temperature(°C)	-40°C ---85°C