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ZAFER MAH ADILE NASIT BULVARI SEHIR MERKEZI
HOME OFIS BLOK KAT 16 No 191 ESENYURT ISTANBUL



SPS 500W-10KW

Product advantages

- Pure Sine Wave Inverter With Double CPU Intelligent Control Technology.
- Built-in 6000 cycles A+ Quality LiFePO4 Lithium Battery 5 Years Service Life.
- No Installation required. Just plug it in.
- MPPT Controller greatly improving the charging efficiency more than 30%.
- Overcharge protection and over discharge protection for a longer battery life.
- Convenient and practical 5VDC-USB output port and 12VDC output port.
- Overall automatic protection and alarms including AC output overload short circuit protection etc.



Production





500W Solar Power Station



1KW Solar Power Station



2KW Solar Power Station



3KW Solar Power Station



5KW Solar Power Station



10KW Solar Power Station



Product Model



SPS-500W/1000W

SPS-2000W/3000W

SPS-5000W

SPS-10KW

Specifications

Description						
Model	SPS-500W	SPS-1000W	SPS-2000W	SPS-3000W	SPS-5000W	SPS-10KW
System Voltage	12V	24V	24V	48V	48V	48V
Inverter						
Rated Power	500W	1000W	2000W	3000W	5000W	10KW
Input Voltage Range	220-240V,110-120V (optional)					
Output Voltage	220-240V,110-120V (optional)					
Output Frequency	50/60Hz					
Output Wave	Pure Sine Wave					
Built-in LiFePO4 Lithium	640WH	1280WH	2560WH	3430WH	5120WH	10240WH
Solar Input (Optional)						
High Efficiency Mono Solar Panel	100W*2pcs	160W*2pcs	160W*4pcs	450W*2pcs	450W*3pcs	450W*6pcs
Range Of Charging Voltage	18-55Vdc	30-55Vdc	30-150Vdc	60-150Vdc	60-150Vdc	60-150Vdc
Rated Charge Current	30A MPPT					60A MPPT
Voltage For Floating Charge	13.7V	27.4V	27.4V	50.4	50.4	56.8
DC Output						
Voltage For High Voltage Protection	14VDC	28.5VDC	28.5VDC	57VDC	57VDC	57VDC
Low Voltage Protection Voltage	12VDC	24VDC	44.8VDC	44.8VDC	44.8VDC	44.8VDC
5VDC USB Output	2pcs/MAX 2A					
12VDC Output Ports	2pcs/MAX 2A					
Physical						
Heat Dissipation/Cooling	Temperature control by intelligent exhaust fan					
Display	Digital LCD					
Electricity Charging	12V30A	24V30A	48V30A		48V30A	
Ctn Sizes (mm)	390*215*310	440*215*350	515*335*480		605*410*540	780*447*724



Solar Energy Kit

3W SK0503L

- Model: SK0503L
- Solar Panel: 6V 3W
- Battery: 3.7V 4000mah
- Mobile Charge : 4in1 1pcs
- LED & 3mCable: 2sets
- Solar Charging / LED Solar Light
- Quick Mobile Charger & Power Bank



10W SK1206

- Model: SK1206
- 10W Solar Panel
- With 4 DC12v Output Holes
- With 12V5200mAh Lithium Battery Inside
- With High Frequency Radio & Music Player
- With 3 Pcs LED Bulbs For Lighting Each Bulb With 5 Meters Wire



20W SK1212

- Model: SK1212
- 20W Solar Panel
- High Lumen 5W Led Bulb 4pcs
- Long Lifespan Lithium Battery
- 12V12AH Lithium Battery
- MP3,Bluetooth ,Two Speaker Ultra HD Sound Quality



Specifications

Model	Solar Panel	Battery	LED Bulb
SK0503L	6V 3W	3.7V4000MAh	3W Led Bulb*2pcs
SK1206	16V 10W	11.1V5.2AH	5W Led Bulb*3pcs
SK1212	16V 20W	11.1V12AH	5W Led Bulb*4pcs



300W SK1226

300W SK1226

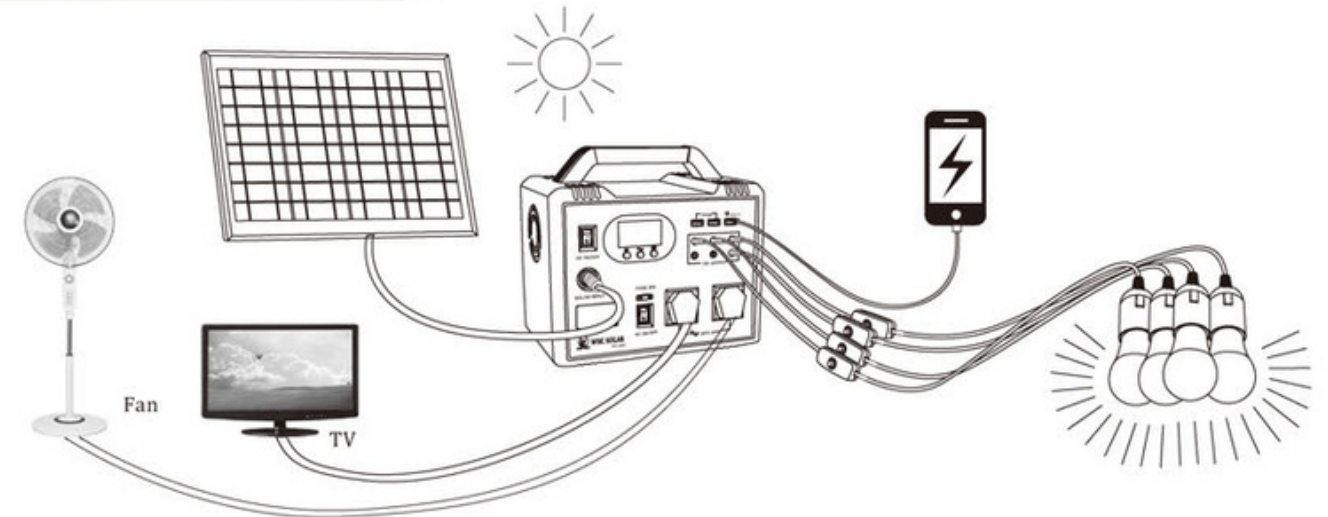
- Model: SK1226
- Solar & AC Charging
- Super Brightness Lights
- Quickly Phone Charge
- Simple & Practical
- Large Capacity & Long Life



Buttons & Ports



SK1226 Full Function



Specifications

Model	Solar Panel(optional)	Charging Time	Maximum Charging Current
SK1226	Mono 16V 60W	8~10 Hours	4A
Battery	Charging Excency	Pure Sine Wave Inverter	Product Size
LiFeP04 12.8V 26Ah	95%	220V300W	260*176.5*242mm



Optimus 1000-5000W

Product advantages

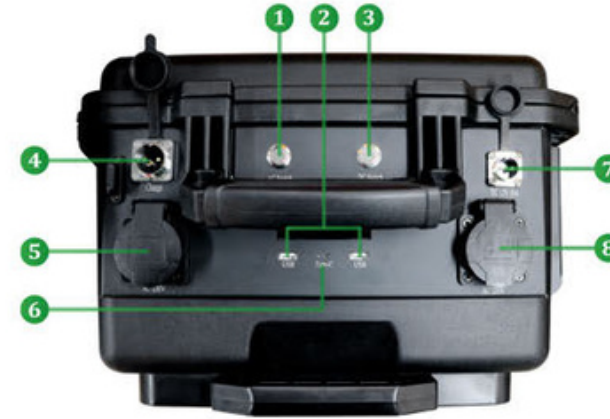
- Fashion suitcase design, portable with handle, good for outdoor use and business trip, etc.
- Built-in LifePO4 lithium battery, which is more durable and has a 5yrs long service life.
- Home applications: Laptop, phone charge, lights, kitchen devices, etc.



Application



Buttons & Ports



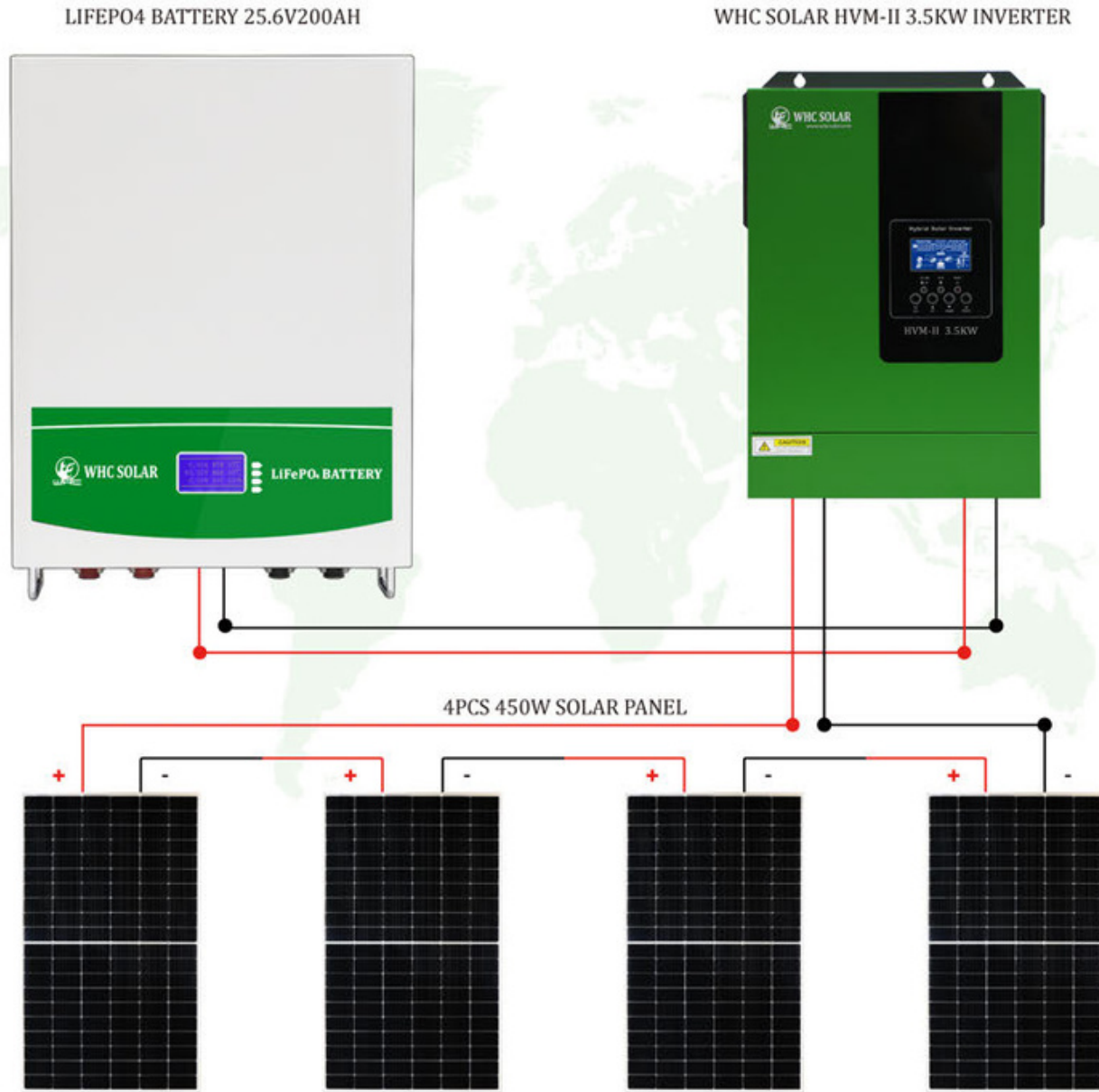
- 1** AC ON/OFF Button
- 2** UBS-A Port
- 3** DC ON/OFF Button
- 4** Solar Input & Wall Charge
- 5** AC Output
- 6** UBS-C Port
- 7** DC 12V 10A Output
- 8** AC Output

Specifications

Description	Optimus 1000W	Optimus 2000W	Optimus 3000W	Optimus 5000W
Model	Optimus 1000W	Optimus 2000W	Optimus 3000W	Optimus 5000W
System Voltage	12V	48V	48V	48V
Inverter				
Rated Power	1000W	2000W	3000W	5000W
Input Voltage Range	220-240VAC			
Output Voltage	220-240VAC			
Output Wave	Pure Sine Wave			
Built-in LiFePO4 Lithium	12.8V/1280WH	51.2V/3072WH	51.2V/3072WH	51.2V/5120WH
Solar Input				
Max. PV Power	240W	960W	960W	960W
Rated Charge Current	20A			
Output				
Voltage For High Voltage Protection	14.6V±0.5V	58.4V±0.5V		
Charge Recovery Voltage	13.5V±0.5V	54V±0.5V		
AC Outlet	220V 16A 2PCS			
USB-A quick charge	5V/3A 9V/2A 12V/1.5A *2 PCS			
USB-C quick charge	5V/3A 9V/2A 12V/1.5A *1 PC			
DC12V output for LED light	10A With Short Circuit Protection * 1PC			
LCD Display Screen	Battery capacity/voltage/Charging modeLow voltage warning /AC output voltage /AC frequency			
AC Adapter	12V20A*1PC	48V20A*1PC		
Protection	Discharge & charging Over current protection & Over voltage protection & Low voltage protection & Short circuit protection & High temperature protection & low temperature protection			



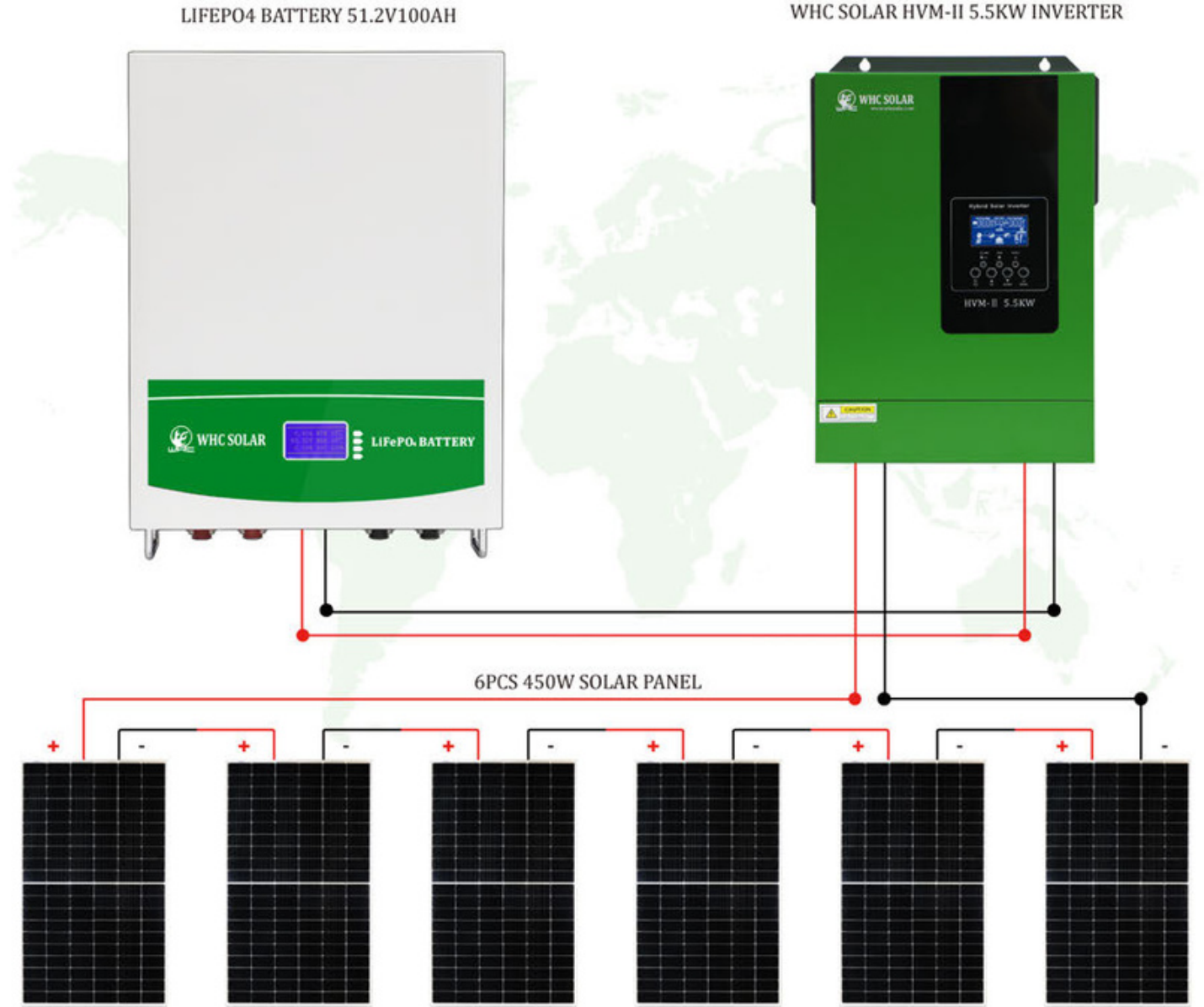
WHC3.5KW-5120WH Solar Hybrid LiFePO4 Battery Power System



Application :Fridge,Fan,Tv,Light etc.



WHC5.5KW-5120WH Solar Hybrid LiFePO4 Battery Power System

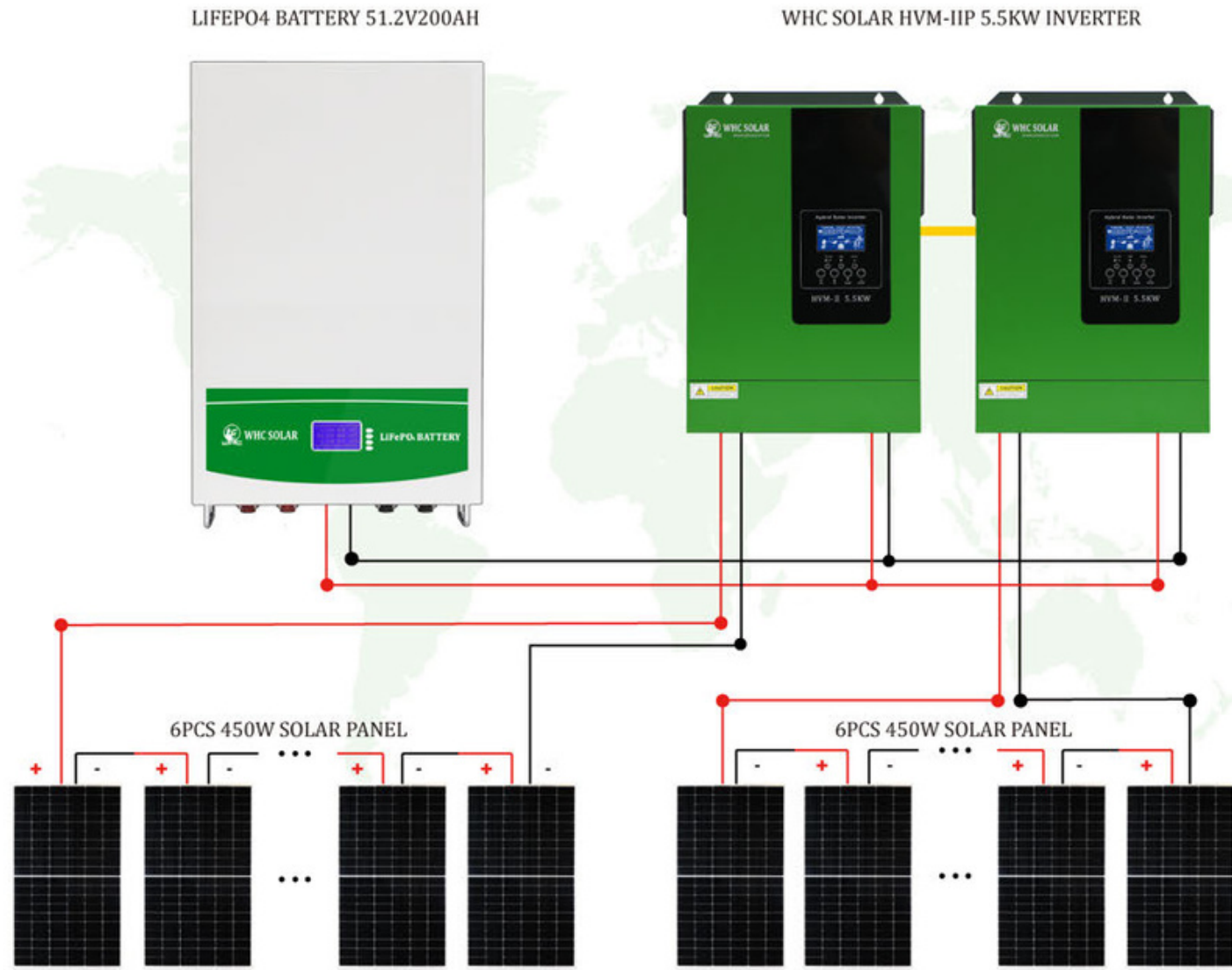


Application :Air-Condition,Fridge,Fan,Tv,Light etc.



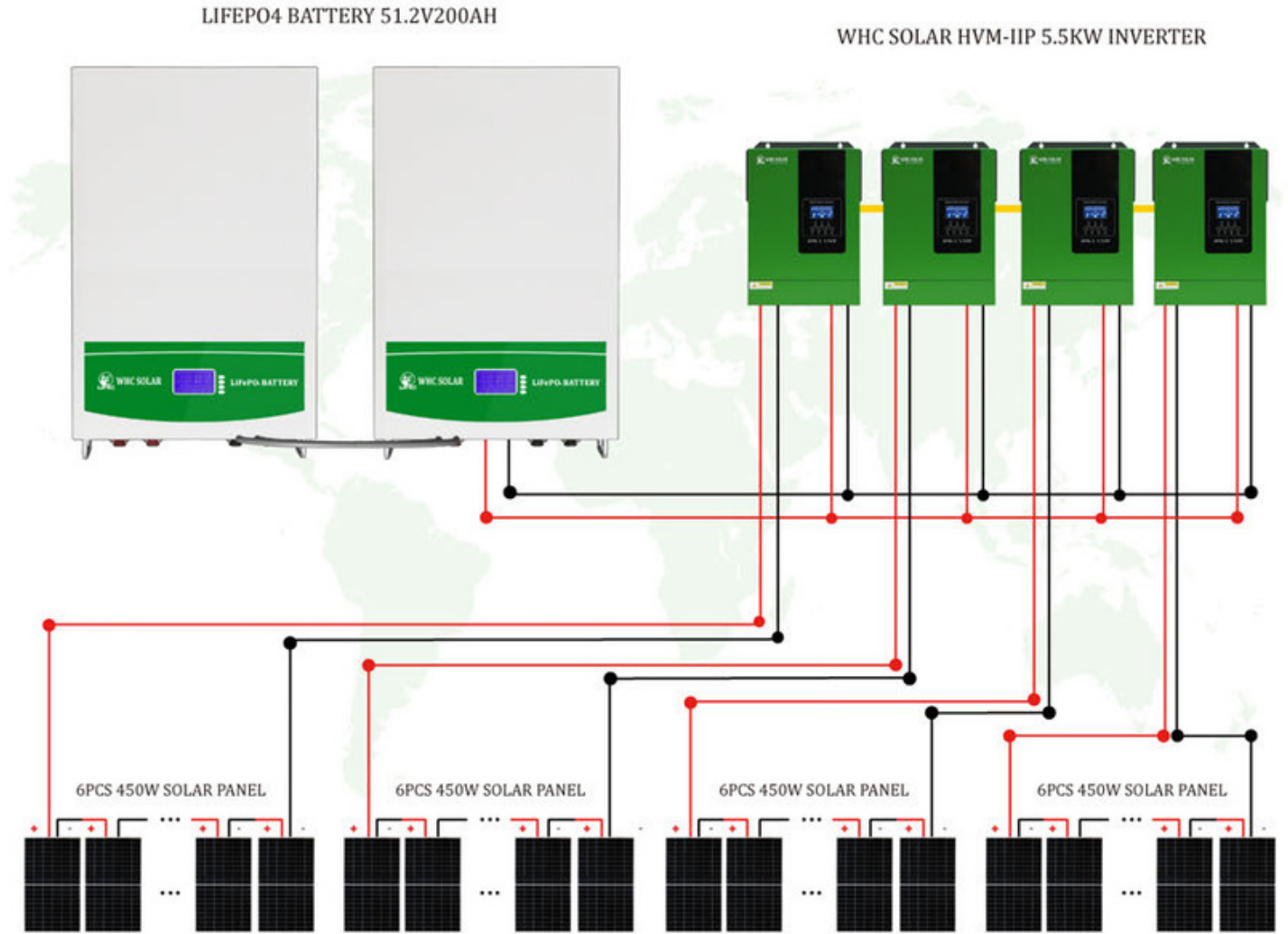


WHC10KW-10240WH Solar Hybrid LiFePO4 Battery Power System



— Parallel communication line

WHC20KW-20480WH Solar Hybrid LiFePO4 Battery Power System



— Parallel communication line

Application :Air-Condition,Fridge,Fan,Tv,Light etc.



Application :Air-Condition,Fridge,Fan,Tv,Light etc.





WHC3.5K-400 Solar Power System

Application : Fridge,Fan,Tv,Light etc.

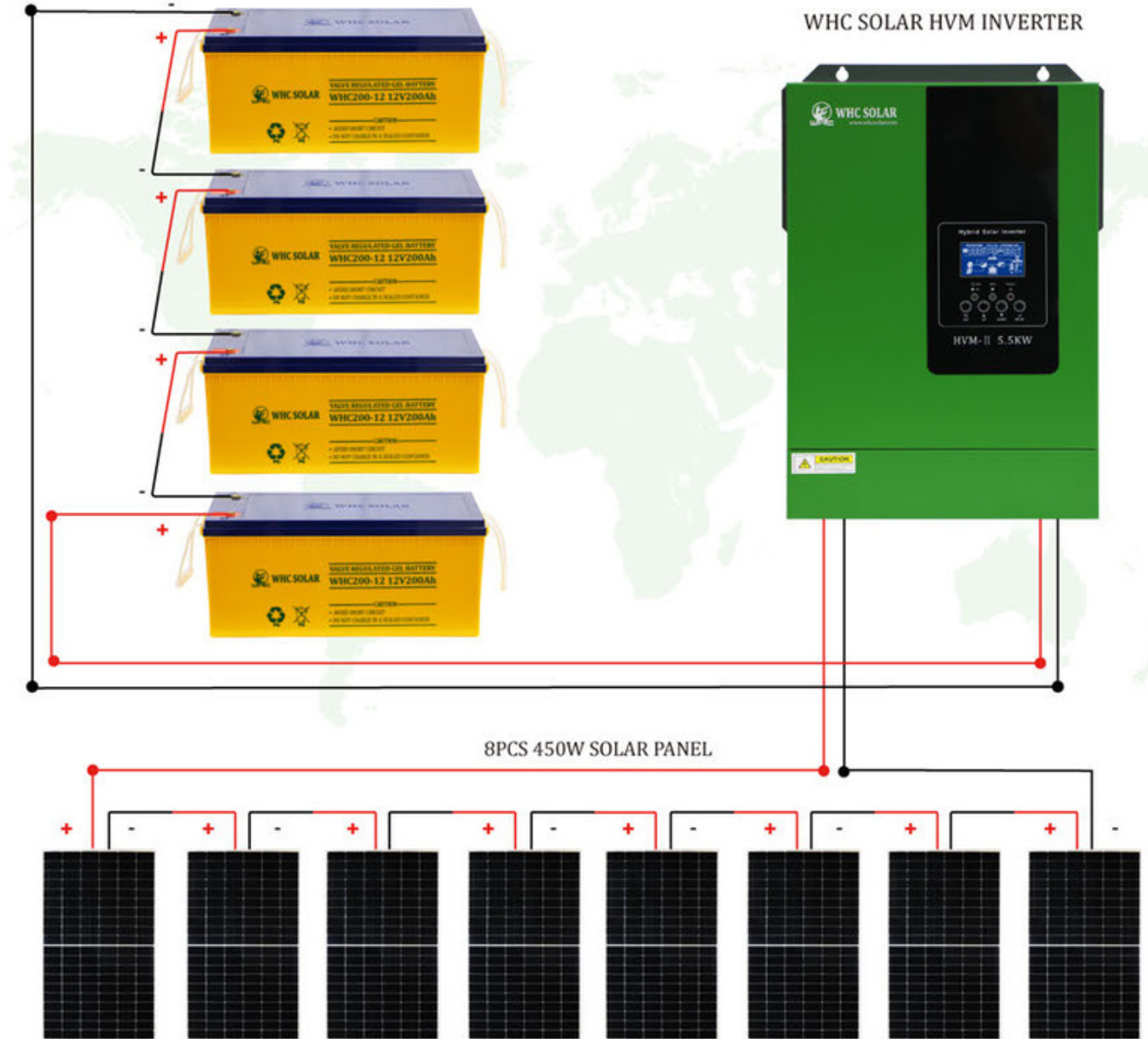


Parameters

Item	Specifications	Quantity
Inverter	WHC24V3500W Hybrid Inverter	1
Controller	MPPT24V100A;PV500V	1
Solar Panel	WHC 450W Mono High Efficiency	4
Battery	WHC12V200AH Gel Battery	2
Accessory	Battery Cable RV 1*16mm ² 50cm	3

WHC5.5K-800 Solar Power System

Application :Air-Condition,Fridge,Fan,Tv,Light etc.



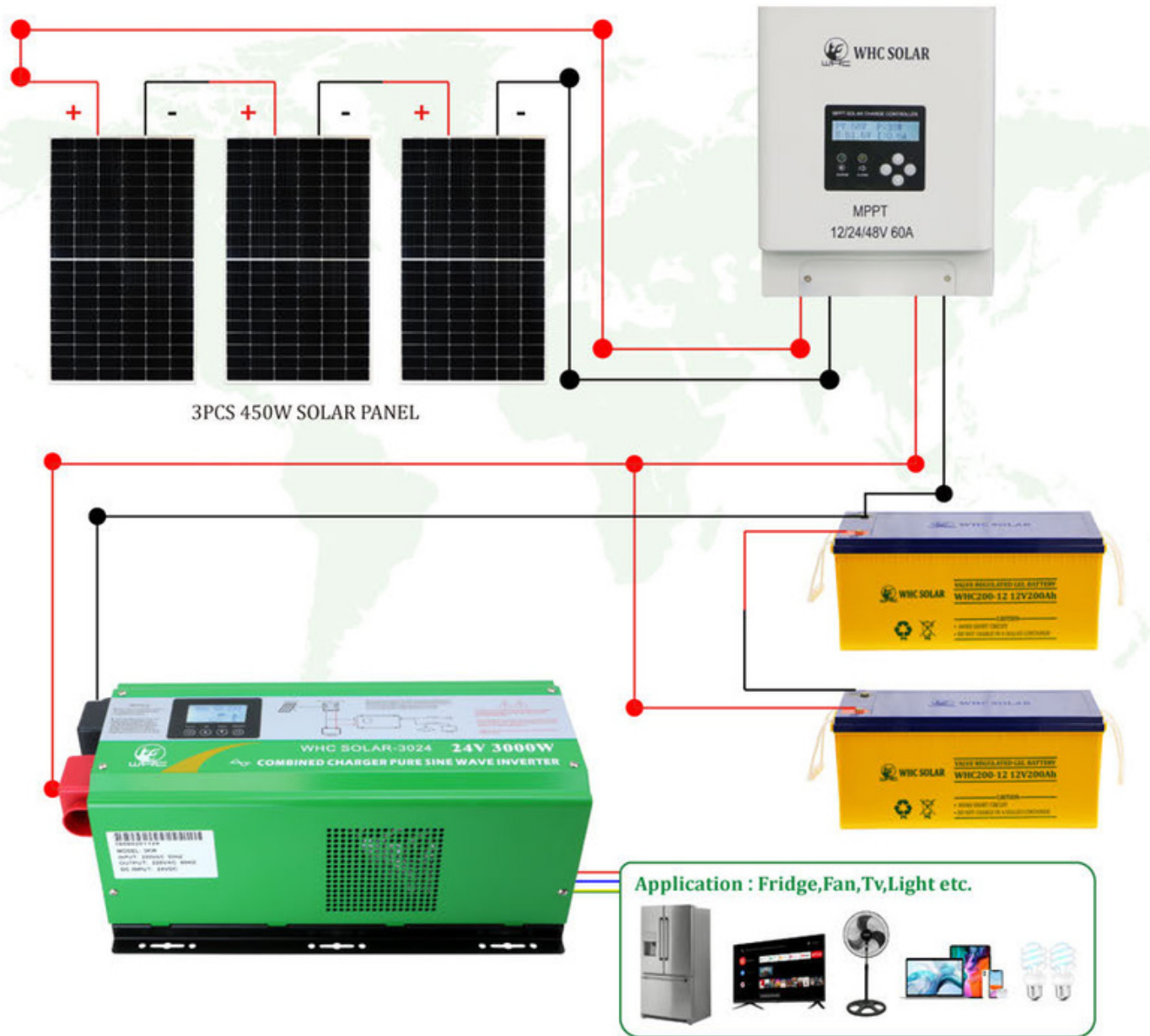
Parameters

Item	Specifications	Quantity
Inverter	WHC48V5500W Hybrid Inverter	1
Controller	MPPT48V100A;PV500V	1
Solar Panel	WHC 450W Mono High Efficiency	8
Battery	WHC12V200AH Gel Battery	4
Accessory	Battery Cable RV 1*35mm ² 50cm	5



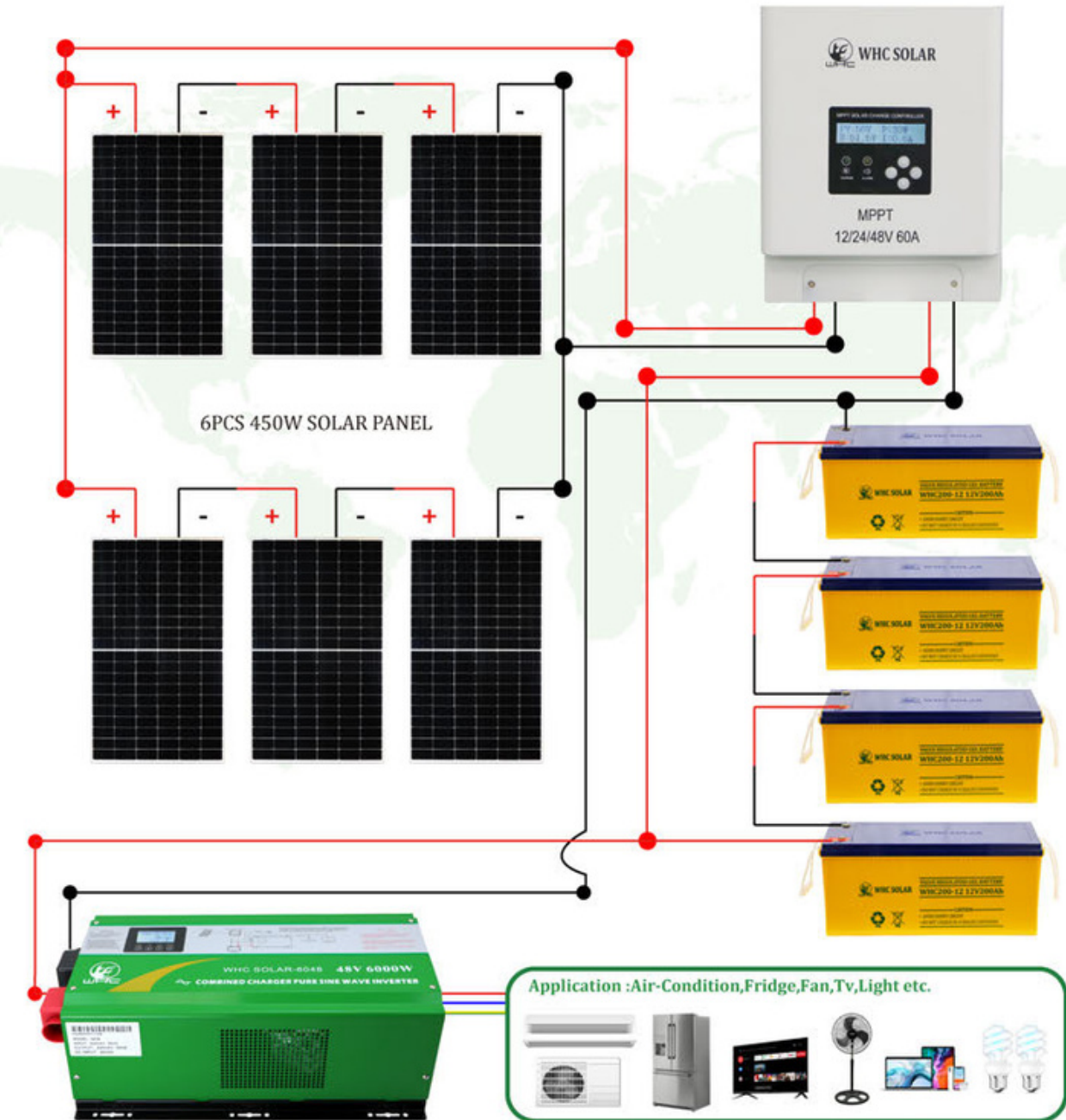
WHC3K-400F Solar Power System

Application : Fridge,Fan,Tv,Light etc.



WHC6K-800F Solar Power System

Application : Air-Condition,Fridge,Fan,Tv,Light etc.



Parameters

Item	Specifications	Quantity
Inverter	WHC24V3000W Pure Sine Wave	1
Controller	MPPT 12/24/48V60A;PV150V	1
Solar Panel	WHC 450W Mono High Efficiency	3
Battery	WHC12V200AH Gel Battery	2
Accessory	Battery Cable RV 1*16mm ² 50cm	3

Parameters

Item	Specifications	Quantity
Inverter	WHC48V6000W Pure Sine Wave	1
Controller	MPPT 12/24/48V60A;PV150V	1
Solar Panel	WHC 450W Mono High Efficiency	6
Battery	WHC12V200AH Gel Battery	4
Accessory	Battery Cable RV 1*35mm ² 50cm	5



WHC10K-E Solar Power System

Application :Air-Condition,Fridge,Fan,Tv,Light etc.

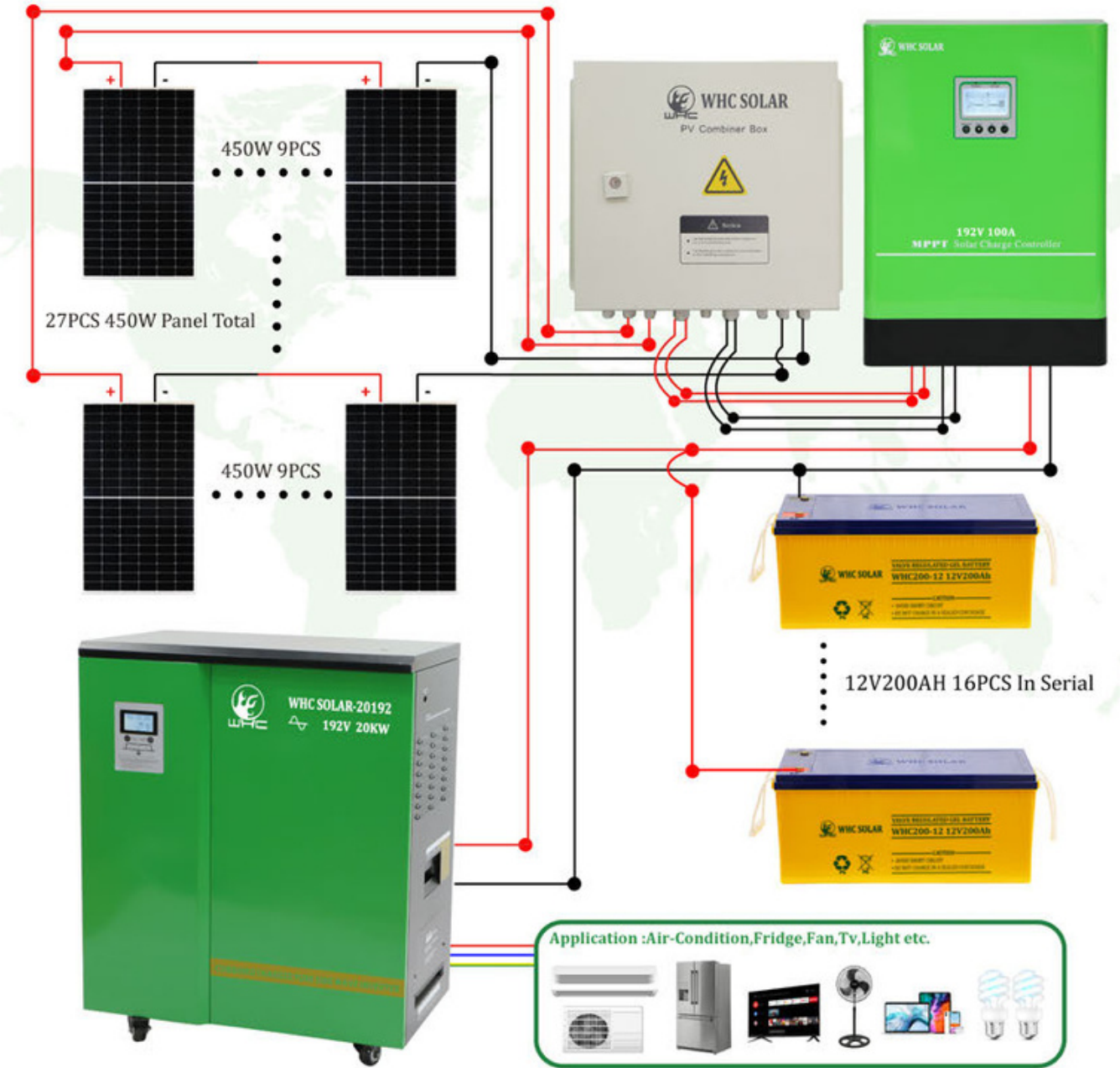


Parameters

Item	Specifications	Quantity
Inverter	WHC96V10KW IGBT Pure Sine Wave	1
Controller	MPPT 96V60A;PV230V	1
Solar Panel	WHC 450W Mono High Efficiency	10
Battery	WHC12V200AH Gel Battery	8
Combiner Box	N4 ,Waterproof IP65	1
Accessory	Battery Cable RV 1*35mm ² 50cm	9

WHC20K-E Solar Power System

Application :Air-Condition,Fridge,Fan,Tv,Light etc.



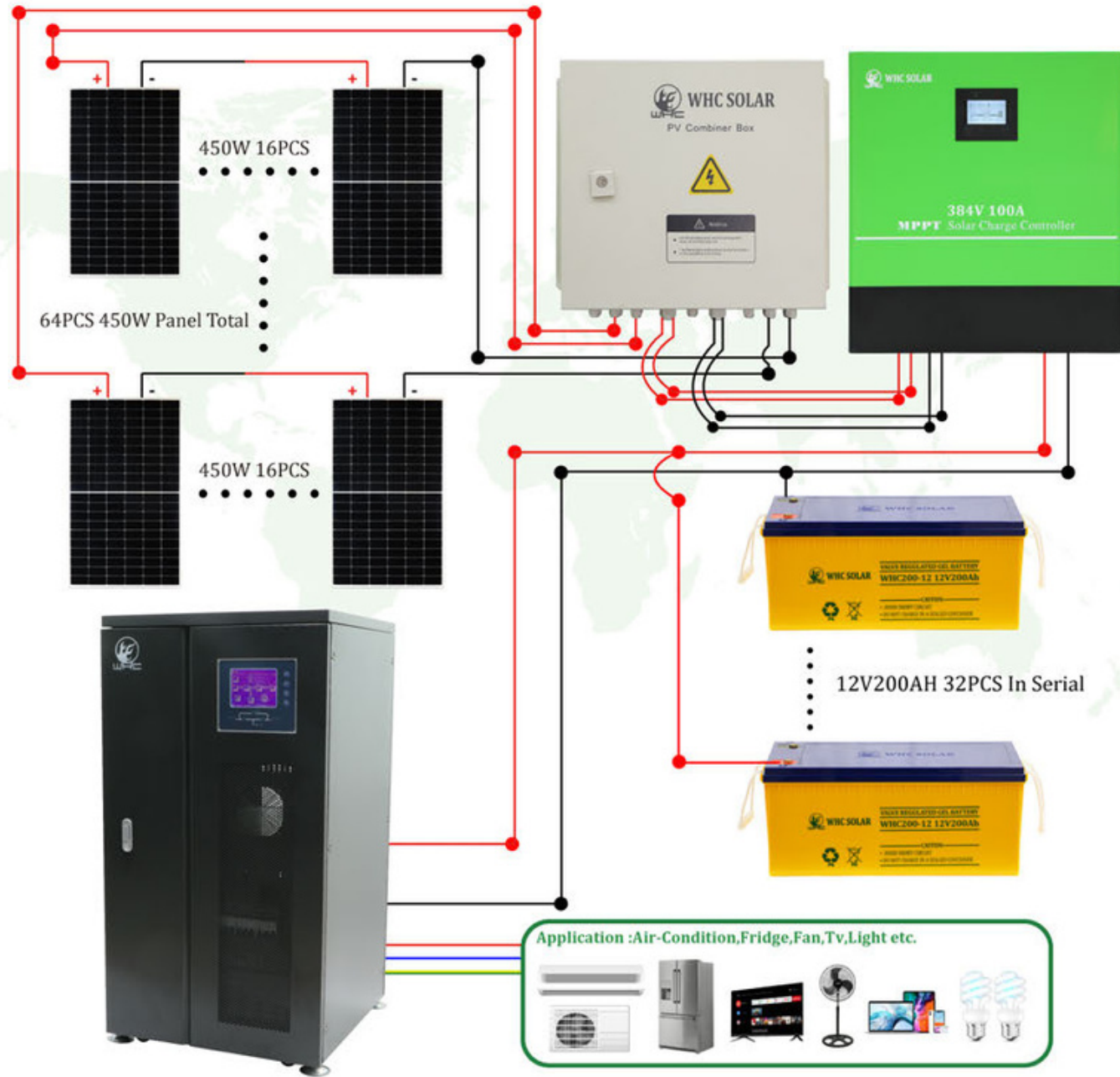
Parameters

Item	Specifications	Quantity
Inverter	WHC192V20KW IGBT Pure Sine Wave	1
Controller	MPPT 192V100A;PV430V	1
Solar Panel	WHC 450W Mono High Efficiency	27
Battery	WHC12V200AH Gel Battery	16
Combiner Box	N4,Waterproof IP65	1
Accessory	Battery Cable RV 1*35mm ² 50cm	17



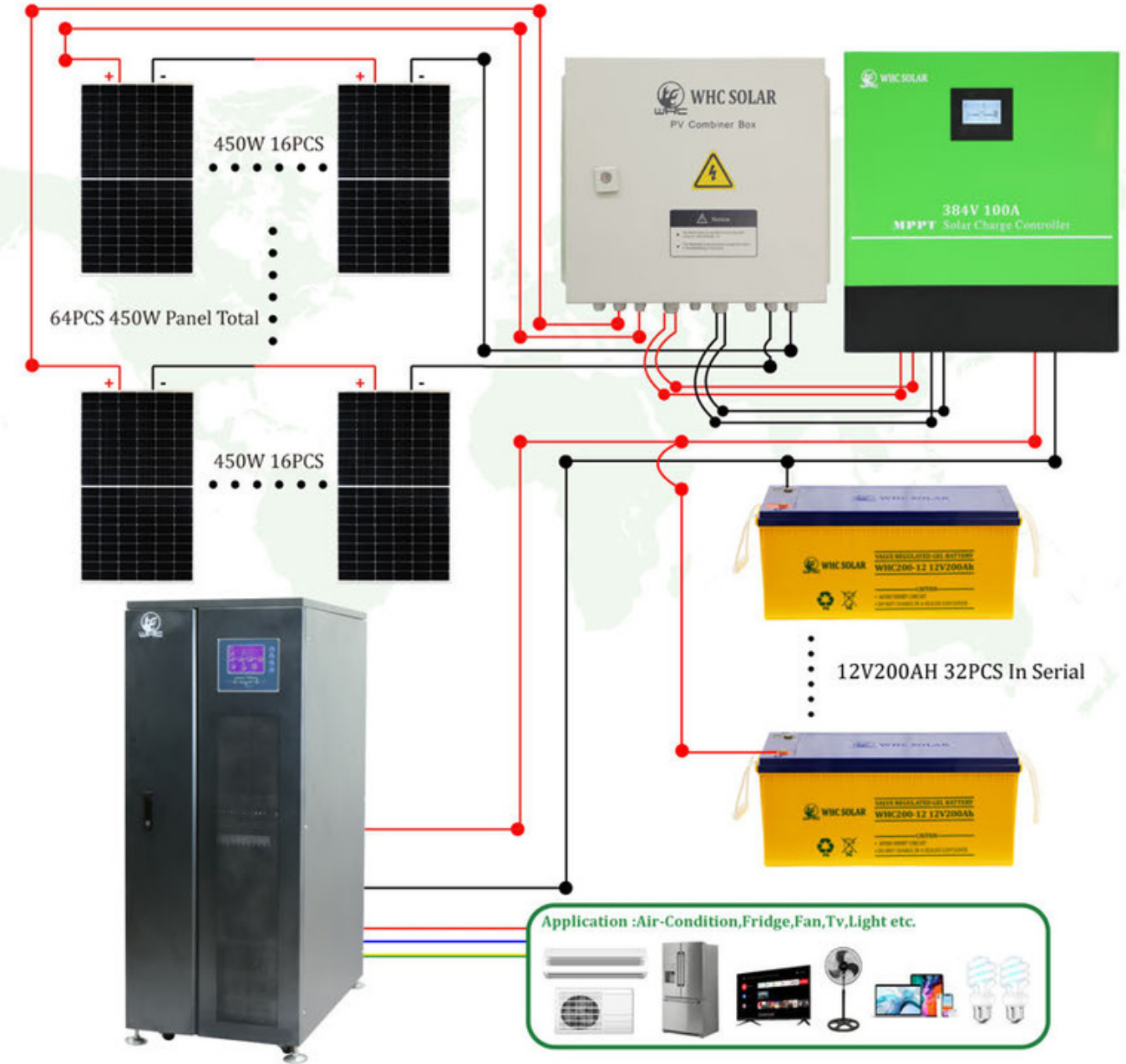
WHC30K-E Solar Power System

Application :Air-Condition,Fridge,Fan,Tv,Light etc.



WHC50K-E Solar Power System

Application :Air-Condition,Fridge,Fan,Tv,Light etc.



Parameters

Item	Specifications	Quantity
Inverter	WHC384V30KW IGBT Pure Sine Wave	1
Controller	MPPT 384V100A;PV800V	1
Solar Panel	WHC 450W Mono High Efficiency	64
Battery	WHC12V200AH Gel Battery	32
Combiner Box	N4 Plus,Waterproof IP65	1
Accessory	Battery Cable RV 1*35mm ² 50cm	33

Parameters

Item	Specifications	Quantity
Inverter	WHC384V50KW IGBT Pure Sine Wave	1
Controller	MPPT 384V100A;PV800V	1
Solar Panel	WHC 450W Mono High Efficiency	64
Battery	WHC12V200AH Gel Battery	32
Combiner Box	N4 Plus,Waterproof IP65	1
Accessory	Battery Cable RV 1*35mm ² 50cm	33



Gel Battery Series

Product advantages

- Non-spillable
- Long Service Life
- High Discharge Rate
- Rugged Construction
- Sealed/Maintenance-Free
- Deep Discharge Recovery



Production



Product Model



Specifications

Model	Nominal Voltage	Rated Capacity	Appearance Size(mm)	Model	Nominal Voltage	Rated Capacity	Appearance Size(mm)
WHC7-12	12V	7Ah	150*65*95	WHC65-12	12V	60Ah	350*167*179
WHC12-12	12V	12Ah	150*96*95	WHC80-12	12V	80Ah	260*170*210
WHC17-12	12V	17Ah	180*75*165	WHC100-12	12V	100Ah	330*214*220
WHC24-12	12V	24Ah	165*125*175	WHC150-12	12V	150Ah	485*172*240
WHC40-12	12V	40Ah	195*165*175	WHC200-12	12V	200Ah	552*238*222

Application





24V 120AH Gel Battery

Product advantages

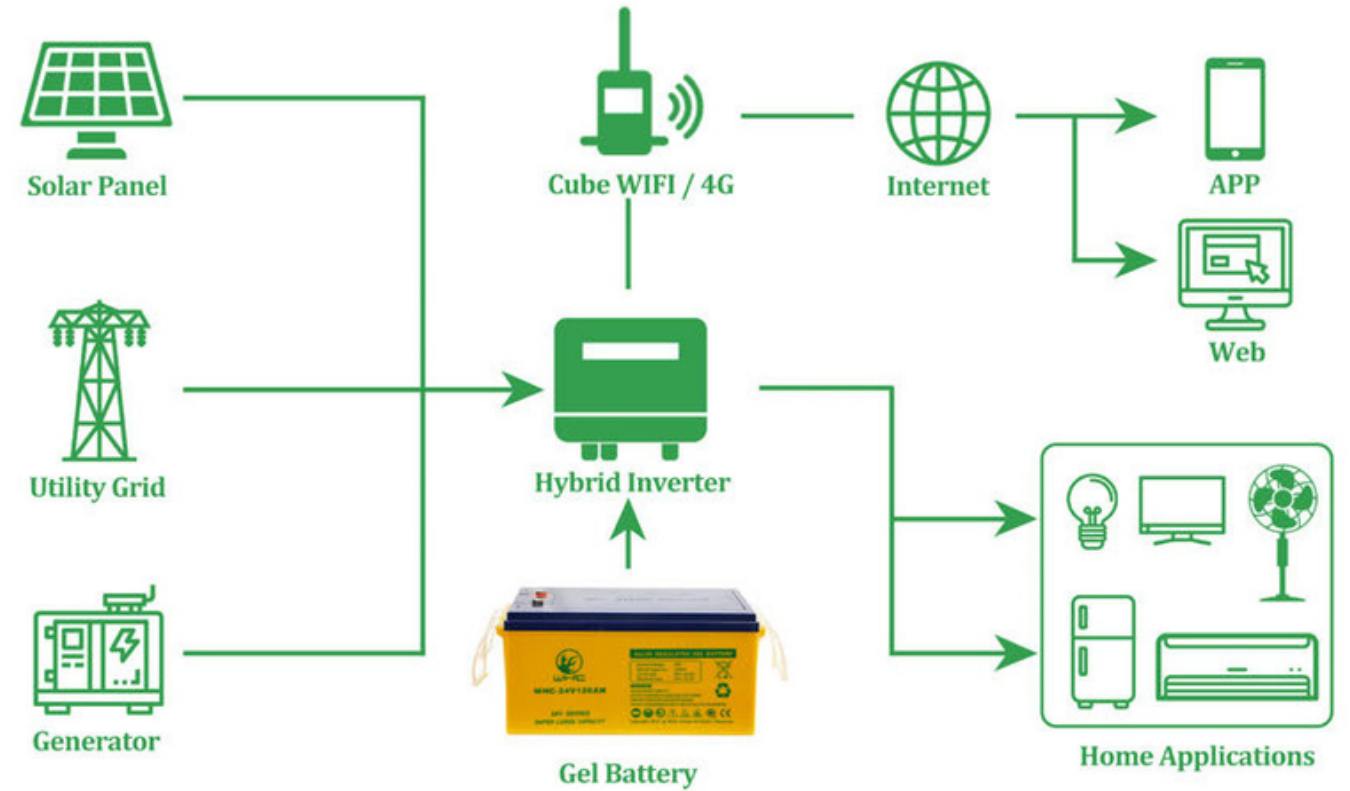
- Non-spillable
- Long Service Life
- High Discharge Rate
- Rugged Construction
- Sealed/Maintenance-Free
- First 24V Single Independent Mold



Production



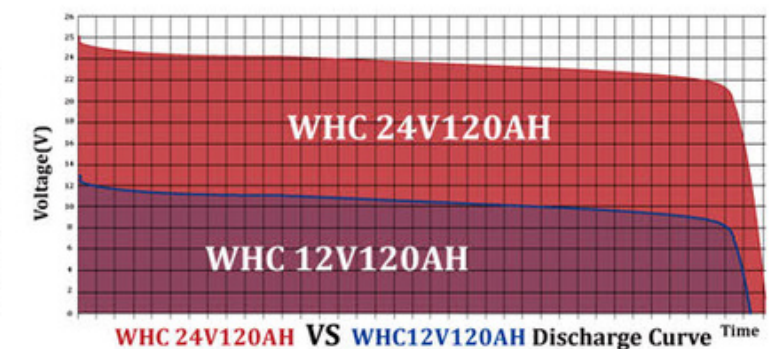
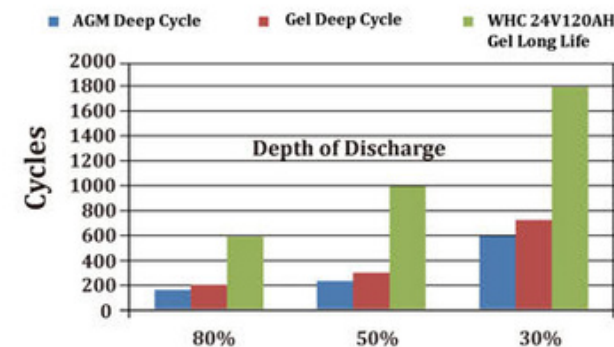
Application



Specifications



Nominal Voltage		24V
	10HR(10.8V)	120Ah
Capacity(25°C)	5HR(10.5V)	105Ah
	1HR(9.60V)	74.4Ah
Appearance Size		442*344*209.3(mm)
Float Charging Voltage(25°C)		27.00 to 27.60V Temperature Compensation:-30mV/°C
Cyclic Charging Voltage(25°C)		29.00 to 29.80V Temperature Compensation:-50mV/°C





Powerwall Series

Product advantages

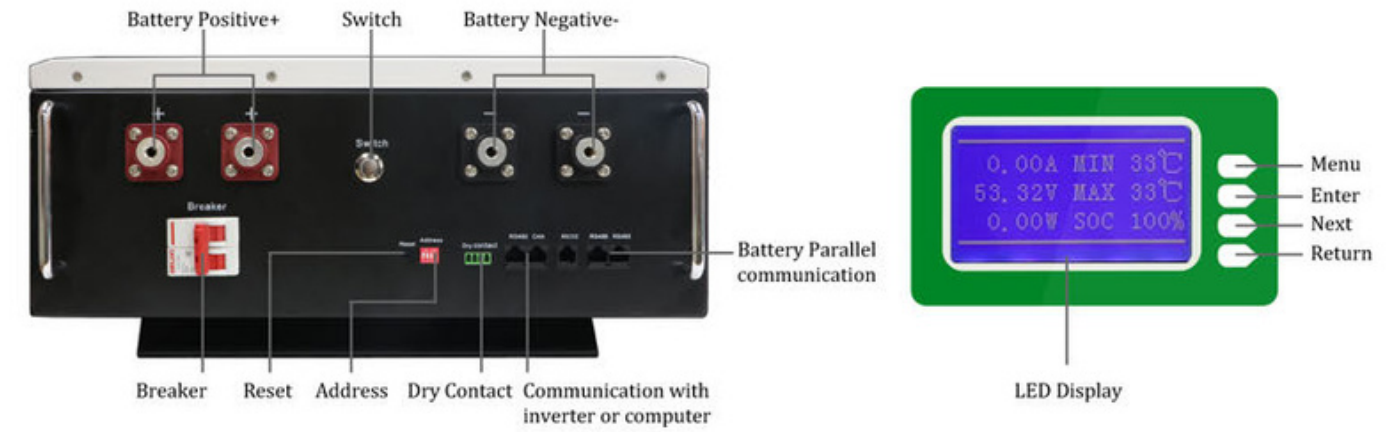
- Non-spillable
- Long Service Life
- High Discharge Rate
- Rugged Construction
- Sealed/Maintenance-Free
- First 24V Single Independent Mold



Production



Button & Port



Specifications

Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	100Ah/200Ah
Battery Energy	5120Wh/10240Wh
Charge Voltage	55.68~56.16Vdc
Efficiency	99%
Communication	
Display	SOC status indicator, LED indicator
Communication	RS232, RS485, CAN
General Specification	
Dimension(W×D×H mm)	550*430*165MM/850*500*165MM
Weight (Kg)	48KG/95kg

Application





LiFePO4 Lithium Battery

Product advantages

- Service Life: 10 Years
- Increased Safety Performance
- 100% High Efficient Discharge
- High Temperature Performance
- Intelligent BMS System, All-round Protection



Specifications

Nominal Voltage	WHC25.6V200AH	WHC51.2V100AH	WHC51.2V200AH
Nominal Voltage	25.6Vdc	51.2Vdc	51.2Vdc
Nominal Capacity	200Ah	100Ah	200Ah
Battery Energy	5120WH	5120WH	10240WH
Recommended Charge Voltage	28.4V-29.2V	56.8V-58.4V	56.8V-58.4V
Efficiency	99%		
Display	SOC status indicator, LED indicator		
Communication	RS232,RS485,CAN		



LiFePO4 Lithium Battery

Product advantages

- Service Life: 10 Years
- Increased Safety Performance
- 100% High Efficient Discharge
- High Temperature Performance
- Intelligent BMS System, All-round Protection



Specifications

Nominal Voltage	WHC12.8V100AH	WHC12.8V200AH	WHC25.6V100AH
Nominal Voltage	12.8Vdc	12.8Vdc	25.6Vdc
Nominal Capacity	100Ah	200Ah	100Ah
Battery Energy	1280WH	2560WH	2560WH
Recommended Charge Voltage	14.2V-14.6V	14.2V-14.6V	28.4V-29.2V
Efficiency	99%		
Display	SOC status indicator, LED indicator		
Communication	RS232,RS485,CAN		



2V Deep Cycle Gel Series

Product advantages

- Wide Suitability of Ambient Temperature Range
- Low Self Discharge, Up to 2200 Deep Discharge Cycles
- Long Service Life According to Eurobat Classification
- Sealed Performance is Good, Charging Capacity is Strong
- High Gas Recombination Efficiency, Sufficient Capacity
- Safe And Reliable Explosion-proof Exhaust System
- Can Be Widely Used in Solar Energy, Wind Energy, Telecommunication Systems, Off-grid Systems



Product Model



Specifications

Model	Rated Voltage(V)	Rated Capacity(AH)	Dimensions L*W*H(mm)	Weight ±5%(Kg)
WHC2-100	2	100	172*72*228	5.3
WHC2-150	2	150	173*103*228	7.6
WHC2-200	2	200	173*112*357	10.6
WHC2-300	2	300	172*152*367	15.3
WHC2-400	2	400	211*177*367	22.0
WHC2-500	2	500	242*173*367	25.0
WHC2-600	2	600	302*176*367	31.0
WHC2-800	2	800	411*176*366	43.5
WHC2-1000	2	1000	476*176*357	52.5
WHC2-1500	2	1500	402*352*370	82.5
WHC2-2000	2	2000	492*352*370	110.0
WHC2-3000	2	3000	711*353*370	168.0



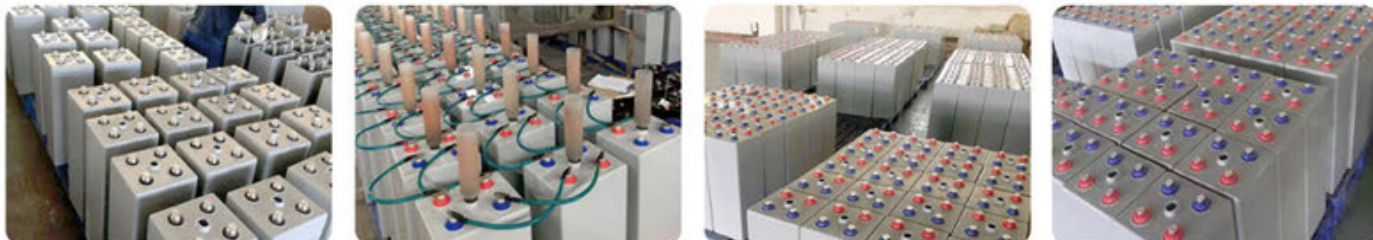
OPzV Gel Battery Series

Product advantages

- Reduced Maintenance Cost: maintenance-free Design.
- Outstanding Performance And Reliability: High Quality Materials.
- Complete Battery Solution: System With All Necessary Accessories.
- Long Cycle Life: More Than 1500 Cycles At 80% Depth Of Discharge.
- Flexibility: Design And Production Of Customized Products And Services.



Production

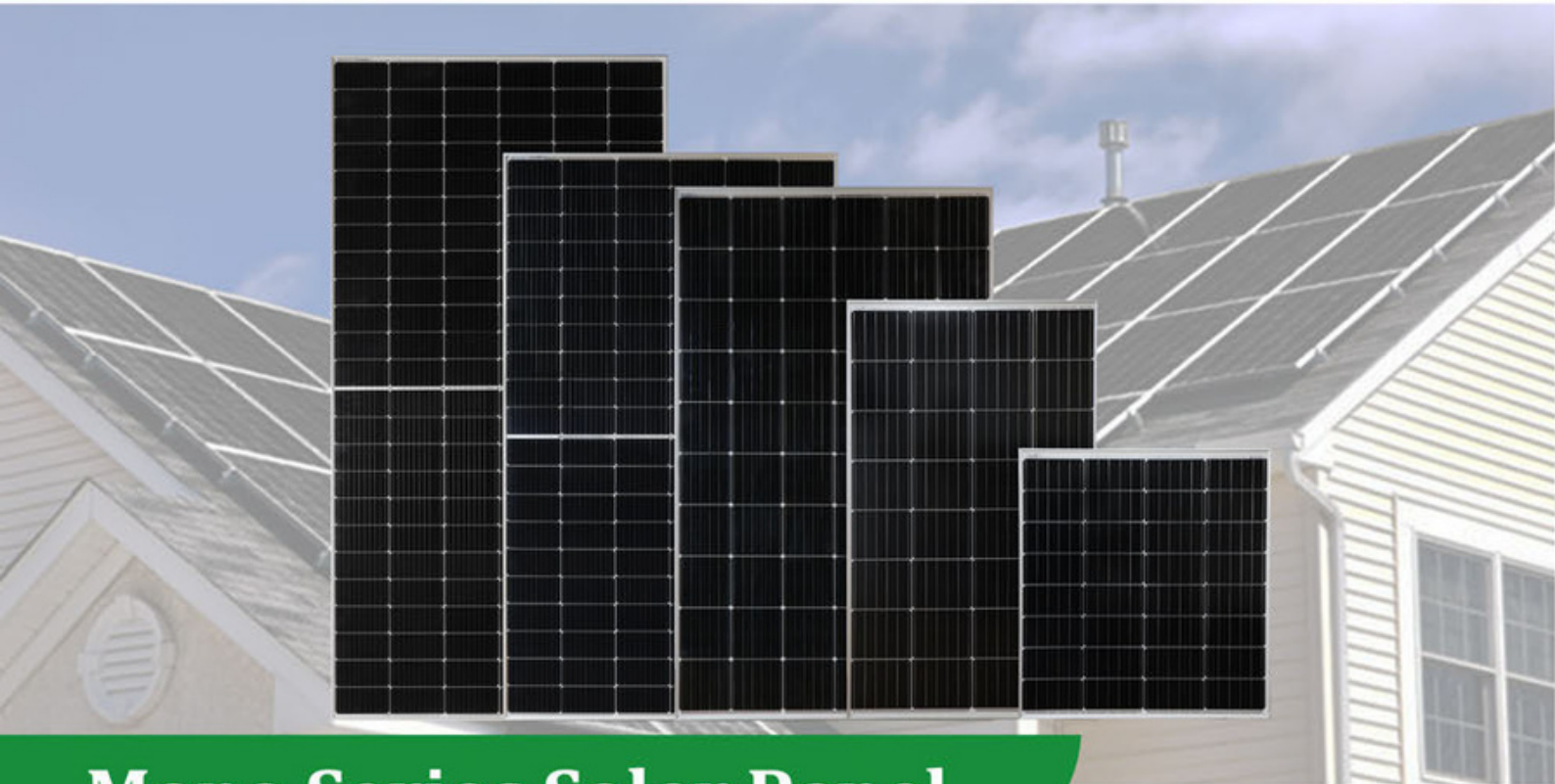


Product Model



Specifications

Model	Rated Voltage(V)	Rated Capacity(AH)	Dimensions L*W*H*TH(mm)	Weight ±5%(Kg)
WHC2-200 OPzV	2	200	103*206*354*390	11.2
WHC2-250 OPzV	2	250	124*206*345*390	14.0
WHC2-300 OPzV	2	300	145*206*354*390	16.8
WHC2-350 OPzV	2	350	124*206*470*506	19.6
WHC2-420 OPzV	2	420	145*206*470*506	23.52
WHC2-500 OPzV	2	500	166*206*470*506	28.0
WHC2-600 OPzV	2	600	145*206*645*681	33.6
WHC2-770 OPzV	2	770	253*210*470*506	43.12
WHC2-800 OPzV	2	800	191*210*645*681	44.8
WHC2-1000 OPzV	2	1000	233*210*645*681	56.0
WHC2-1200 OPzV	2	1200	275*210*645*681	67.2
WHC2-1500 OPzV	2	1500	275*210*795*831	84.0
WHC2-2000 OPzV	2	2000	399*210*772*807	112.0
WHC2-2500 OPzV	2	2500	487*212*772*807	140.0
WHC2-3000 OPzV	2	3000	576*212*772*807	168.0



Mono Series Solar Panel

450W-600W advantages

- PERC 182 cells
- High output power
- Aesthetic Appearance
- Heavy-duty Anodized Frames
- Outstanding Low-light Performance
- Nominal 12V Dc For Standard Output
- High Transparent Low-iron,tempered Glass
- Rugged Design To Withstand High Wind Pressure, Hail And Snow Load



Production



40W-450W advantages

- Multi Busbar Technology
- Higher output power
- Aesthetic Appearance
- Heavy-duty Anodized Frames
- Outstanding Low-light Performance
- Nominal 12V Dc For Standard Output
- High Transparent Low-iron,tempered Glass
- Rugged Design To Withstand High Wind Pressure, Hail And Snow Load



Specifications

Model	Power	VMP(V)	VOC(V)	IMP(A)	ISC(A)	PCS/CTN	N.W(KG)	Product Size(mm)
WHC-40M-32	40W	18V	21.80V	2.19A	2.39A	10	2.8	570*400*20
WHC-50M-32	50W	18V	21.80V	2.81A	3.05A	10	3.9	670*400*20
WHC-60M-32	60W	18V	21.80V	3.29A	3.49A	2	4.3	430*760*25
WHC-80M-32	80W	18V	21.80V	4.39A	4.65A	2	5.3	550*760*25
WHC-100M-40	100W	18V	21.80V	5.48A	5.81A	2	6.3	680*760*30
WHC-120M-32	120W	18V	21.80V	6.58A	6.97A	2	7.3	800*760*30
WHC-180M-32	180W	18V	22.25V	9.68A	10.34A	2	7.8	1040*760*30
WHC-200M-40	200W	18V	22.80V	11.12A	11.7A	2	8.3	1290*760*30
WHC-250M-32	250W	18V	22.25V	13.45A	14.39A	2	11.8	1530*760*30
WHC-330M-60	330W	34.85V	41.82V	9.47A	10.13A	2	14.3	1290*1134*30
WHC-410M-108	410W	34.63V	41.40V	11.85A	12.6A	2	19.5	1722*1134*30
WHC-450M-120	450W	34.2V	41.04V	13.16A	13.95A	2	22.9	1909*1134*30
WHC-550M-144	550W	41.97V	49.95V	13.11A	14.05A	2	28.5	2279*1134*35



Poly Series Solar Panel

- Aesthetic Appearance
- Heavy-duty Anodized Frames
- Outstanding Low-light Performance
- Nominal 12V Dc For Standard Output
- High Transparent Low-iron,tempered Glass
- Rugged Design To Withstand High Wind Pressure, Hail And Snow Load

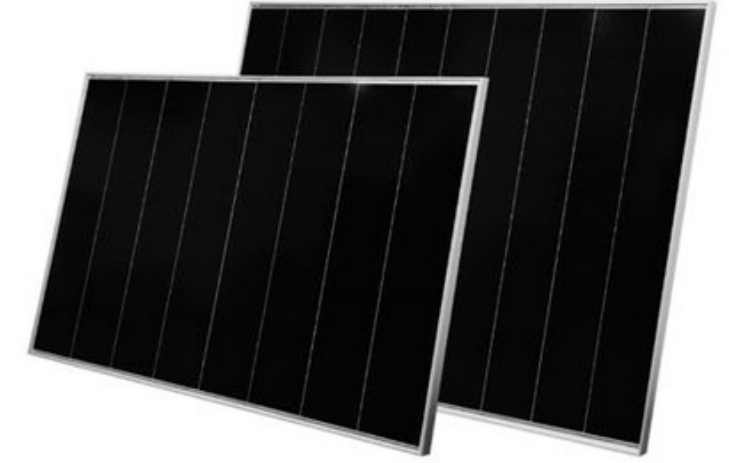


Specifications

Model	Power	VMP(V)	VOC(V)	IMP(A)	ISC(A)	PCS/CTN	N.W(KG)	Product Size(mm)
WHC-10P-32	10W	18V	21.8V	0.57A	0.62A	10	1.23	350*240*17
WHC-20P-32	20W	18V	21.8V	1.11A	1.18A	10	2	490*350*25
WHC-30P-32	30W	18V	21.8V	1.69A	1.85A	10	2.6	650*350*25
WHC-50P-32	50W	18V	21.8V	2.81A	3.05A	5	3.9	540*670*30
WHC-80P-32	80W	18V	21.8V	4.58A	4.93A	4	5.5	780*670*30
WHC-100P-72	100W	18V	21.92V	5.60A	5.97A	2	7.8	1020*680*30
WHC-160P-32	160W	18V	22.32V	8.85A	9.56A	2	11.7	1480*680*30
WHC-275P-60	275W	30V	38.1V	8.37A	8.83A	2	18	1650*992*30
WHC-330P-72	330W	36V	46.01V	8.87A	9.49A	2	21.6	1956*992*30

Shingled Series Solar Panel

- IP68 Junction Box, Connector
- 15A current
- Super strong frame
- Current division
- Salt spray, Ammonia and PID test
- Strong Mechanical, Load capacity
- Color Classification



Specifications

Model	Power	VMP(V)	VOC(V)	IMP(A)	ISC(A)	PCS/CTN	N.W(KG)	Product Size(mm)
WHC-350S-324	350W	31.12V	36.82V	11.25A	11.96A	2	18.25	1700*1016*35
WHC-410S-256	410W	38.31V	43.61V	10.71A	11.44A	2	20.9	1723*1134*35
WHC-450S-384	450W	35.974V	44.015V	12.512A	13.18A	2	23	2115*1052*35
WHC-475S-408	475W	38.21V	46.54V	12.50A	13.20A	2	24.5	2239*1042*35
WHC-530S-444	530W	41.92V	50.93V	12.64A	13.21A	2	26.3	2056*1236*35
WHC-550S-350	550W	39.494V	48.077V	19.942A	14.672A	2	27.4	2158*1236*35



HVM Hybrid Inverter

Hybrid Inverter advantages

- Pure sine wave solar inverter
- High PV input voltage range
- Built-in MPPT solar controller
- Optimize battery performance, extend lifecycle
- Inverter running without battery
- Parallel operation with up to 12 units
- WiFi/GPRS remote monitoring
- RS485 communication for BMS(Optional)
- Self consumption and Feed-in to the grid(Optional), Detachable LCD(Optional)



Production



Buttons & Ports



- 1 LCD display 2 Status indicator 3 Charging indicator 4 Fault indicator 5 Function buttons 6 AC input
- 7 AC output 8 PV input 9 RS232 communication port 10 USB communication port 11 Grounding 12 Battery input
- 13 Power on/off switch 14 Dry contact (Optional) 15 Battery input 16 Cooling Fan 17 Parallel Connection Port

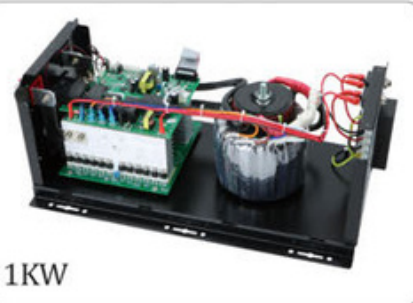
Specifications

MODEL	HVM-II 3.5KW	HVM-II 5.5KW	HVM-IIP 5.5KW
CAPACITY	3.5KW	5.5KW	5.5KW
Parallel Capability	NO	No	YES,12units
Nominal Voltage		230VAc	
Acceptable Voltage Range		170-280VAC/90-280VAC	
Nominal Voltage		220/230VAC ± 5%	
Surge Power	6000VA	10000VA	10000A
Frequency		50/60 Hz	
Waveform		Pure Sine wave	
Transfer Time		10ms(For personal Computery;20ms(For Home Appliances)	
Peak Efficiency (Pv to INV)		97%	
Peak Efficiency (Battery to INV)		93%	
Battery Voltage	24VDC	48VDC	48VDC
Charging Method		CC/CV	
Solar Charger Type		MPPT	
Max.PV Array Power	4000W	5000W	5000W
Max PV Array Open Circuit Voltage		500VDC	
PV Array MPPT Voltage Range		120VDC~450VDC	
Max.Solar Charge Current	100A	100A	100A
Communication Interface		USB/RS232/Dry-contact	



1-8KW Low Frequency Inverter

- Double CPU intelligent control technology
- Charge current/battery type could be set
- Intelligent fan control, safe and reliable
- Pure sine wave AC output, and be adapt to all kinds of loads
- Output overload, short circuit protection, various of automatic protection



Specifications

Pated Power	WHC1000W/1500W/2000W	WHC3000W/4000W/5000W	WHC6000W/8000W
Rated Voltage	DC12V/24V/48V	DC24V/48V	DC48V/96V
Charge Current	30A(default) -CO-C6can Be Set		
DC Input	85-138VAC/170-275VAC		
AC Ouput	110VAC/220VAC;±5%(Inversion Mode)		

10-20KW IGBT Inverter

- Excellent performance because of double CPU intelligent control
- Controlled by smart fan that is safer and more reliable
- All kinds of automatic protection and alarm of output overload and short circuit
- Settable mains supply preferred mode, energy-saving mode and battery preferred mode



Specifications

Pated Power	IGBT 10KW	IGBT 15KW	IGBT 20KW
Rated Voltage	DC96V/192V	DC192V	DC192V
Charge Current	10A		
DC Input	99-138VAC/189-275VAC		
AC Ouput	110VAC/220VAC;±5%(Inversion Mode)		
Switching time	<4ms(Typical load)		
Output waveform	Pure sine wave		
Protection function	Battery over voltage protection, battery under voltage protection, overload protection, short circuit protection, over temperature protection,etc		



3KW-25KW 3 Phase Inverter

- Overall Protection Functions
- A Wide Range, High Accuracy
- Automatic Voltage Stabilization
- Power-frequency Transformer
- Pure Sine Wave AC Output
- An MCU Intelligent Control Technology



Specifications

Power	3KW	4KW	5KW	7KW	8KW	10KW	15KW	20KW	25KW
AC Input Phase Number	Three-phase+N+G								
AC Input Voltage	220/380V AC±15%								
AC Input Frequency	50/60Hz±5%								
Phase Number	Three-Phase+N+G								
AC Output Voltage	220/380V AC±2%(Steady Load)								
AC OutPut Frequency	50/60Hz±5%(City Power)50Hz±0.01%(Battery Powered)								
Output Waveform	≥95%(Load:100%)								

30KW-200KW 3 Phase Inverter

- Advanced Operation Mode
- High Adaptability
- Reliable Performance
- Great Loading Capacity
- Management Function
- Personalized Settings



Specifications

Power	30KW	40KW	50KW	60KW	80KW	100KW	200KW
AC Input Phase Number	Three-phase+N+G						
AC Input Voltage	220/380V AC±20%						
AC Input Frequency	50/60Hz±5%						
Phase Number	Three-Phase+N+G						
AC Output Voltage	220/380V AC±1%(Steady Load)						
AC OutPut Frequency	50/60Hz±5%(City Power)50Hz±0.01%						
Output Waveform	≥95%(Load:100%)						



UPS Pure Sine Wave Inverter

- Pure Sine Wave Form: Intelligent Chip Control
- Advanced Anti-jamming Technology
- Perfect Charge Protection
- Smart Fan & Aluminum Alloy Shell, Efficient Temperature Control
- Applicable to all kinds of home appliances
- High Conversion Efficiency, Stable Output Voltage



Rated Power	2000W	2500W	3000W
Peak Power	4000W	5000W	6000W
Input Voltage	12V/ 24V(Optional)		
Frequency	50HZ±0.5HZ		
Wave From	Pure Sine Wave(THD<3%)		
Battery Voltage	10V-15V(12V) / 20V-30V(24V)		
Efficiency	>90%		

Pure Sine Wave Inverter

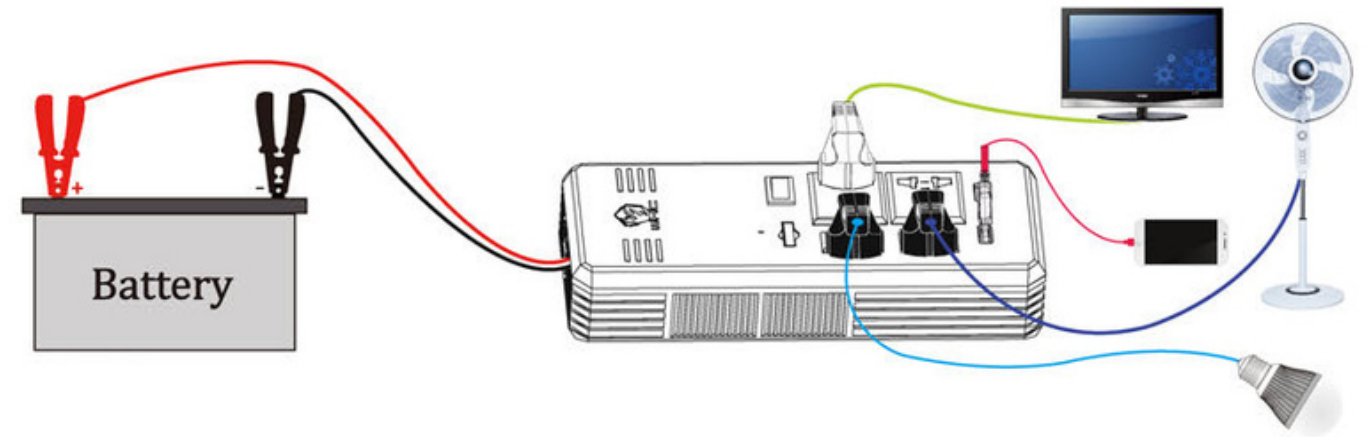
- Pure Sine Wave Form: Intelligent Chip Control
- Advanced Anti-jamming Technology
- Perfect Charge Protection
- Smart Fan & Aluminum Alloy Shell, Efficient Temperature Control
- Applicable to all kinds of home appliances
- High Conversion Efficiency, Stable Output Voltage



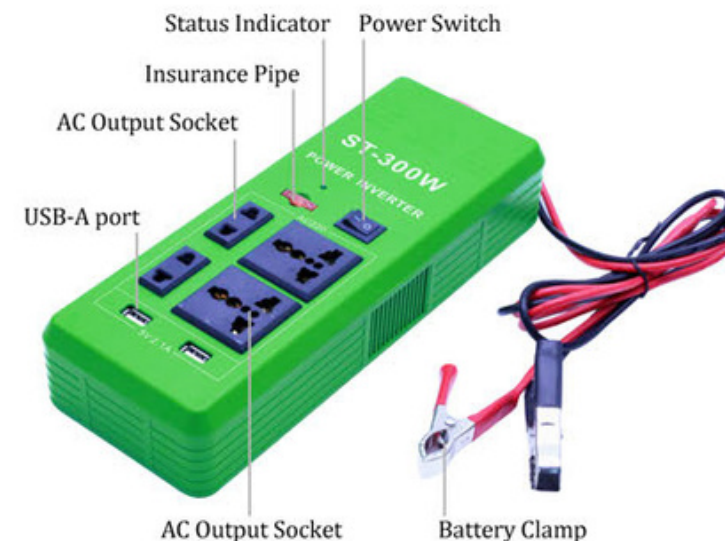
Rated Power	300W	600W	1000W	1500W	2000W	2500W	3000W
Peak Power	600W	1200W	2000W	3000W	4000W	5000W	6000W
Input Voltage	12V/ 24V / 48V(Optional)						
Frequency	50Hz / 60Hz(Optional)						
Wave From	Pure Sine Wave						
Output Voltage	110V/ 120V / 220V/ 230V / 240V(Optional)						
Efficiency	>90%						

ST-300W Socket Inverter

- Smart, Light, And Portable, Designed For Home Use
- Universal Socket, Suitable For All Kinds of Plugs
- Applicable For Resistive Loads
- Multiple Safe Protections
- High Conversion Efficiency Smart Soft Start Function



Ports & Specifications

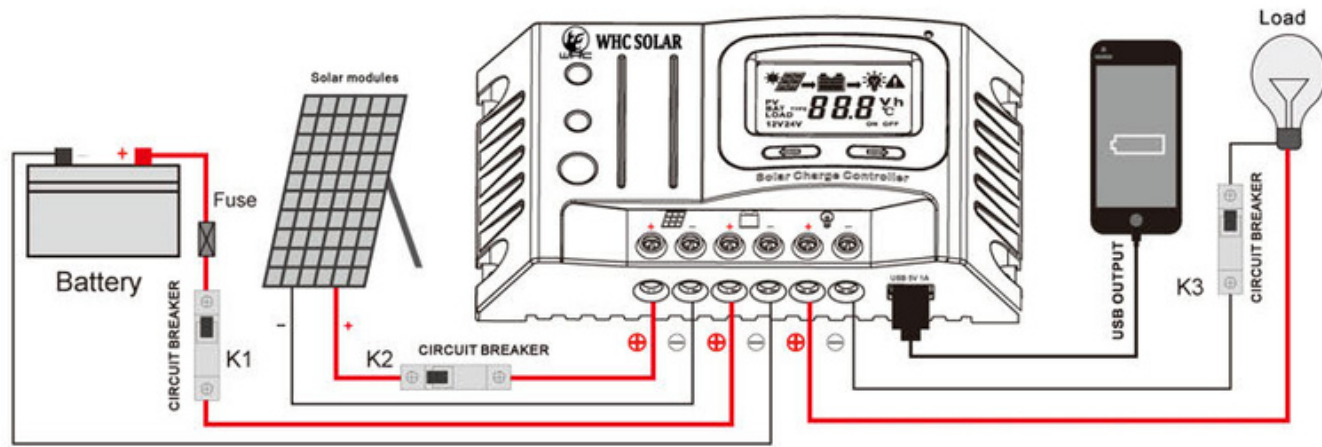


Model	ST-300W
Power	300W
AV Voltage	220-240V
Frequency	50/60HZ±0.5HZ
Battery Voltage	12V
DC Input Current	30A



PWM Controller Series

- 3 Stages PWM Charging: Bulk, Boost, Float
- Reverse Connection of battery Protection
- Lightning Protection, Overload Protection
- Battery Low Voltage Protection (LVD)
- Short Circuit & Battery Over Voltage Protection
- Short Circuit & Reverse Connected Protection (Solar Panel)
- 32bits CPU, Sampling Precision Higher, Operation Speed faster



Specifications

Model	10A	20A	30A	40A	50A	60A	50A	60A
System Voltage	12V/24V					24V/48V		
PV Max.Input Voltage	55V					100V		
USB Output	5V1A					—		
Charge Type	PWM							
Working Temperature	-20 OC-+55 OC							
Size(mm)	190*108*41.5		200*106*41		200*127*53		200*127*53	

MPPT Controller-F

- LifeSpan up to 10 Years
- 12V 24V 48V Automatic Transfer
- MPPT Efficiency >99%,
- Peak Conversion Efficiency >98%
- Protection: Overload, short circuit, high voltage ,high temperature protection



Specifications

Model	MPPT/WHC4840F	MPPT/WHC4860F
Solar System Voltage	12V/24V/48V	
Max.Pv Open Circuit Voltage	18V-100VDC	18V-150VDC
Max.Charging Current	40A	60A
Conversion Efficiency	97.50%	
Charging Algorithm	3-stage: Bulk, Absorption, Float	
Storage Temperature	-40 °C ~+80 °C	
Cooling Way	Fan Cooling	



MPPT Solar Controller

- LifeSpan up to 10 Years
- Maximum Power Point Track
- 12V 24V 48V Automatic Transfer
- MPPT Efficiency >99%
- Peak Conversion Efficiency >98%
- Protection: Overload, short circuit, high voltage ,high temperature protection



Specifications

Model	MPPT 20A	MPPT 30A	MPPT 40A	MPPT 60A	MPPT 80A	MPPT 100A
System Voltage	12V/24V		12V/24V/48V			
Max.Pv Open Circuit Voltage	100VDC			150VDC		
Max.Charging Current	20A	30A	40A	60A	80A	100A
Conversion Efficiency	97.50%			98.50%		
Charging Algorithm	3-stage: Bulk, Absorption, Float					
Storage Temperature	-40℃ ~+80℃					

MPPT Solar Controller

- LifeSpan up to 10 Years
- Maximum Power Point Track
- 12V 24V 48V Automatic Transfer
- MPPT Efficiency >99%
- Peak Conversion Efficiency >98%
- Protection: Overload, short circuit, high voltage ,high temperature protection



Specifications

Model	DC Input	PV(voc)	Current	Type	Product Size(mm)	G.W(Kg)
MPPT/WHC9660F	96V	230V	60A	MPPT	259*215*95	4.1
MPPT/WHC96100F			100A		332*275*155	8.8
MPPT/WHC19250F	192V	430V	50A		394*310*132	10.5
MPPT/WHC19280F			80A		544*382*163	23
MPPT/WHC192100F			100A		544*382*163	23
MPPT/WHC38450F	384V	830V	50A		455*414*150	15
MPPT/WHC38480F			80A		664*529*156	28
MPPT/WHC384100F			100A		664*529*156	28



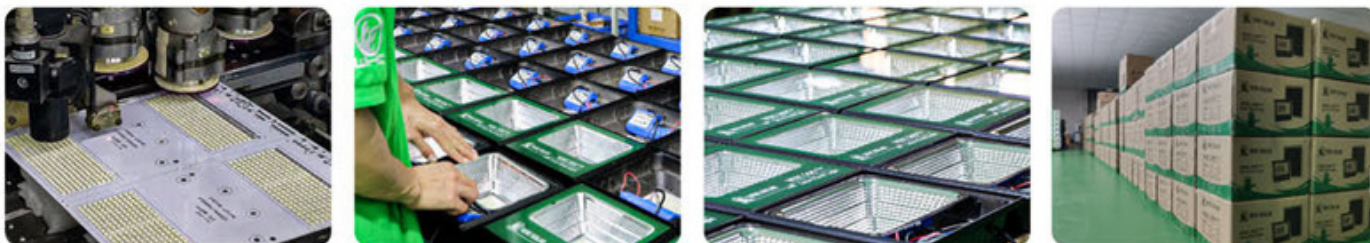
Solar Flood Light

Product advantages

- Large Irradiation Range Led Lamp
- Original A+ Quality Material, Full Power
- Effect Duration: Working Time Last for More Than 24 Hours
- High Efficient Solar Panel, Fast Charging And Large Capacity
- Build-in A+ Quality LiFePO4 Lithium Battery, Longer Lifespan.



Production



Installation method



Install on the Wall



Install on the Pole

Specifications

Model	WHC 300 Plus	WHC 500 Plus	WHC 800 Plus
Lumen / Power	1000lm / 60W	2000lm / 150W	3500lm / 200W
LiFePO4 Lithium Battery	10000mah	15000mah	20000mah
Solar Panel	15W	20W	25W
Lamp Ctn	10pcs/ctn	8pcs/ctn	6pcs/ctn
Panel Ctn	10pcs/ctn	8pcs/ctn	6pcs/ctn
Charging Time	4-6H		
Working Time	12-24hours		
Color Temperature	Nature White 6000-6500K		

Application





PB8150/PB8180

Product advantages

- Built-in A+ 6000 Cycles LiFePO4 Lithium Battery, Can Work 3 Days
- Bridgelux 3030 LED Chips, Improving the Brightness by 30%
- All New Materials, Long Lifespan, Not Easy to Corrode
- Automatically Day off And Night on More Convenient to Use



Production



Internal-structure



PB8180



PB8150

Specifications

Model	PB8180	PB8150
Solar Panel	Mono 60W	Poly 30W
Light Source	80W	50W
LiFePO4 Battery	60AH	30AH
Luminous Flux	2000-3500lm	1000-2000lm
Working Time	12Hours	
Solar Charging Time	6-8H	
Features	Automatically On At Night And Off In Daytime	
Material	Die-casting Alumium + Tempered Glass	

Application





Super Series Solar Street Light

Product advantages

- High Class Integrated Die-casting Aluminum Alloy Case
- Over 3 Nights Lighting After Full Charge
- Lighting Mode With Motion Sensor
- 2000~6000 Cycles/10 Years Life
- Monocrystalline Solar Panel
- 140°wide Lighting Angle



Production



Product Model



Super 30W



Super 40W



Super 50W/60W



Super 80W



Super 100W/
120W

Specifications

Model	Solar Panel		Battery	LED Lamp	Working Time
	Max Power	Life Time	Type (LifePO4 Battery)	Max Power	Half Power
SUPER30W	18V 50W	25years	12.8V27AH	30W	3day
SUPER40W	18V 65W	25years	12.8V28AH	40W	3day
SUPER50W	18V 70W	25years	12.8V36AH	50W	3day
SUPER60W	18V 80W	25years	12.8V42AH	60W	3day
SUPER80W	18V 100W	25years	12.8V57AH	80W	3day
SUPER100W	18V 130W	25years	12.8V63AH	100W	3day
SUPER120W	18V 140W	25years	12.8V72AH	120W	3day



Max Series Solar Street Light

Product advantages

- Bridgelux high efficiency LED Light Source, improving the brightness by 30%
- Aluminium alloy+PMMA Die-cast aluminum bracket
- Anti-wind resistance of Level-16. Waterproof grade IP66
- Microwave motion sensor control, more than 8m sensing distance.



Product Model



Specifications

Model	Max 40W	Max 50W	Max 60W	Max 80W	Max 100W	Max 120W
Mono Solar Panel	18V 70W	18V 75W	18V 85W	18V 110W	18V 140W	18V 150W
LiFePO4 Battery	12.8V 30AH	12.8V 42AH	12.8V 48AH	12.8V 60AH	12.8V 72AH	12.8V 84AH
LED Bridgelux	3030/96PCS	3030/144PCS	3030/144PCS	3030/192PCS	3030/288PCS	3030/288PCS
Color Temperature	2700K-6500K, RA>70					
Brightness	220LM/W					
Working Time	12-15hours, 10-12 cloudy/ rainy days					
Charging Time	6-8hours					
Mounting Caliber	70-76mm suggestion					
Working Temperature	-25°C --+65°C					
Body Sensor	160°, >9m , Activated by customer's need					
IP Rating/IK Class	IP65/IK10					
Installation Method	Arm Mount & Street Light Pole Mount					
Mounting Height	6-7m	6-8m	6-8m	8-9m	9-11m	10-12m
Space Between 2 lamps	20-25m	20-25m	20-25m	25-30m	30-35m	35-40m



BRT Series All in One Solar Street Light

- High Class Integrated Die-casting Aluminum Alloy Case
- Over 3 Nights Lighting After Full Charge
- Lighting Mode With Motion Sensor
- 2000~6000 Cycles/10 Years Life
- Monocrystalline Solar Panel
- 140° wide Lighting Angle



Specifications

Model	BRT10W	BRT20W	BRT30W	BRT50W	BRT80W
LED Watt(W)	10W	20W	30W	50W	80W
Solar Panel(W)	18V12W	18V25W	18V35W	18V60W	18V80W
Lithium Battery	14.4V4.4AH	12.8V6AH	12.8V12AH	12.8V18AH	12.8V24AH
LED Chip	Bridgelux/US				
Lighting Mode	PIR Sensor/Time Control				
Charging Time(Hours)	6-10H				
Working Time(Days)	3Days				

Rising Series All in One Solar Street Light

- Build-in A Quality LiFePO4 Lithium Battery, Longer Lifespan.
- Quality Material Die-casting Aluminum to Prevent Corrosion.
- Automatically Turn On And Off According To Brightness.
- Monocrystalline Solar Panel, Fast Charging.



Specifications

Model	Solar Panel	LiFePO4 Battery	LED	Working Time	Mounting Height
Rising 30W	18V50W	12.8V18AH	30W	3Days	6-7m
Rising 40W	18V60W	12.8V24AH	40W	3Days	7-8m
Rising 50W	18V70W	12.8V30AH	50W	3Days	7-9m
Rising 60W	18V80W	12.8V36AH	60W	3Days	7-9m
Rising 80W	18V100W	12.8V42AH	80W	3Days	7-10m
Rising 100W	18V130W	12.8V54AH	100W	3Days	7-10m
Rising 120W	18V150W	12.8V60AH	120W	3Days	7-12m



Solar Water Pump

Solar Surface Water Pump

- Brass Material, very durable
- Intelligent MPPT Controller, IP65 water proof and leak-proof
- DC Brushless, the efficiency is improved by 15% - 20%
- 316 Stainless Steel, not rusty and corrosive
- Equipped with strong motor body which made by die-cast Aluminum material. Great working performance
- Intelligent soft start function, no impulse current, protect the pump motor greatly



Specifications

ITEM	Voltage	Optimum input voltage (DC)	Power	MaxFlow	Max.Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
WHC-550-48-24-6PM	48V	60V- 90V	550W	6m ³ /h	24m	1"	0.6m	<100V	≥ 1.3*PUMP POWER
WHC-750-72-14-21PM	72V	90V- 120V	750W	21m ³ /h	14m	2"	0.6m	<150V	
WHC-1100-72-15-26PM	72V	90V- 120V	1100W	26m ³ /h	15m	2"	0.6m	<200V	
WHC-1500-110-17-50PM	110V	110V- 150V	1500W	50m ³ /h	17m	3"	0.6m	<200V	

Solar Submersible Water Pump

- DC Brushless, the efficiency is improved by 15% - 20%.
- Intelligent water shortage protection
- 304 Stainless Steel Material, more durable, not rusty and corrosive.
- Alloy mechanical seal, longer working life and high reliability.
- Motor coil is made by automatic winding machine with centralized winding technology, motor efficiency is much improved.
- Intelligent MPPT controller with LCD display, IP65 water proof and leak-proof.



Specifications

ITEM	Voltage	Optimum input voltage (DC)	Power	MaxFlow	Max.Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
WHC-300-24-35-3DPC3	24V	30V- 48V	300W	3.0m ³ /h	35m	1.25"	2m	<50V	≥ 1.3*PUMP POWER
WHC-600-48-80-3DPC3.5	48V	60V- 90V	600W	3.5m ³ /h	80m	1.25"	2m	<100V	
WHC-750-72-95-3DPC3.5	72V	90V- 120V	750W	3.5m ³ /h	95m	1.25"	2m	<150V	
WHC-1100-110-123-3DPC3.8	110V	110V- 150V	1100W	3.8m ³ /h	123m	1.25"	2m	<200V	
WHC-1300-110-155-3DPC3.8	110V	110V- 150V	1300W	3.8m ³ /h	155m	1.25"	2m	<200V	
WHC-1500-110-180-3DPC3.8	110V	110V- 150V	1500W	3.8m ³ /h	180m	1.25"	2m	<200V	

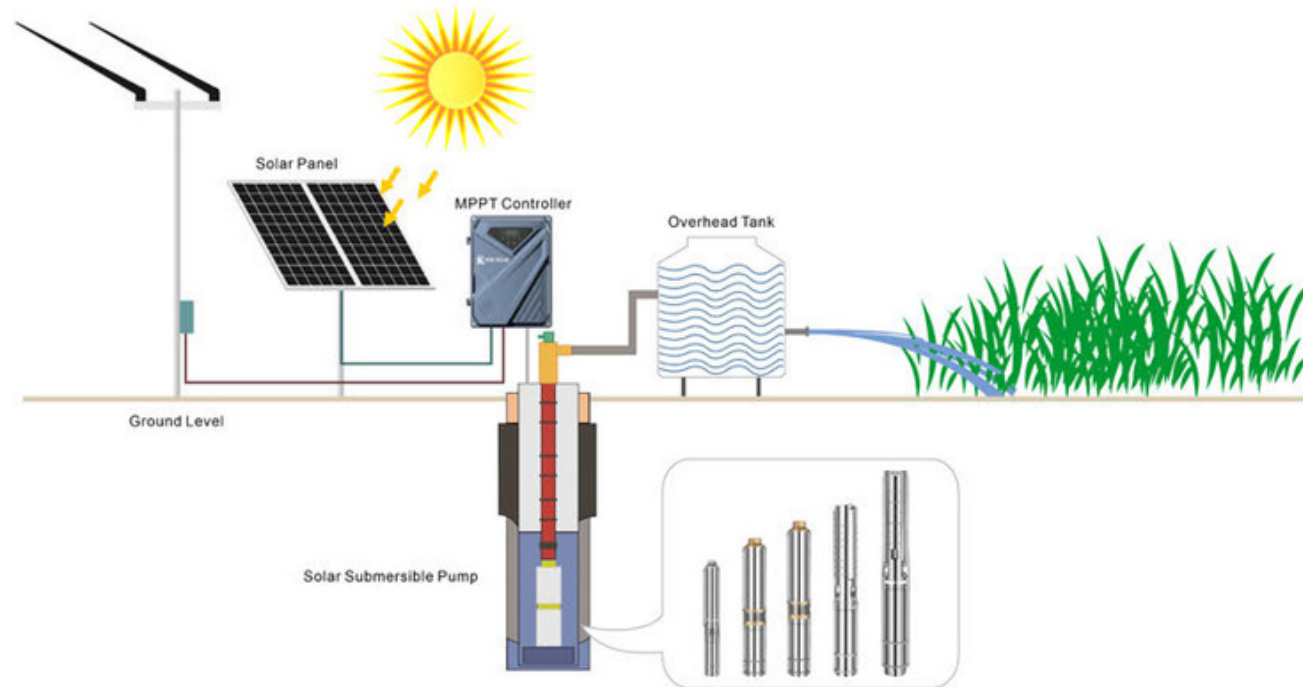
Production





AC/DC Brushless Solar Pump

- DC Brushless, the efficiency is improved by 15% - 20%.
- Intelligent water shortage protection
- 304 Stainless Steel Material, more durable, not rusty and corrosive.
- Alloy mechanical seal, longer working life and high reliability.
- Motor coil is made by automatic winding machine with centralized winding technology, motor efficiency is much improved.
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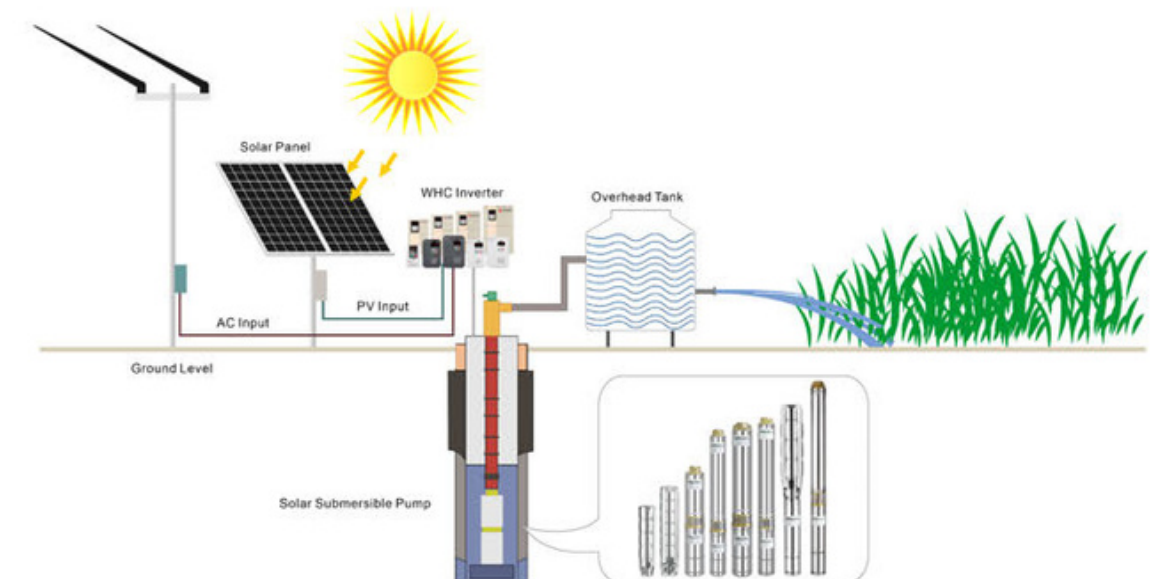


Specifications

ITEM	(AC)Voltage	(DV)Voltage	Power	MaxFlow	Max.Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
WHC-A/D-750-110-95-3DPC3.5	85V-280V	80V-420V	750W	3.5m ³ /h	95m	1.25"	2m	<420V	≥ 1.3*PUMP POWER
WHC-A/D-1100-150-123-3DPC3.8	85V-280V	80V-420V	1100W	3.5m ³ /h	123m	1.25"	2m	<420V	
WHC-A/D-1300-150-155-3DPC3.8	85V-280V	80V-420V	1300W	3.5m ³ /h	155m	1.25"	2m	<420V	
WHC-A/D-1500-200-180-3DPC3.8	85V-280V	80V-420V	1500W	3.5m ³ /h	180m	1.25"	2m	<420V	

Solar Submersible Water Pump

- Power: 0.75HP-100HP
- MPPT and CVT
- GPRS remote control
- Dry run Protection
- Driving for PMSM and AM
- Auto sleep and Wake up run
- Low frequency stop protection
- Flow and Energy Display water level detect and alarm function
- Minimum Power input and Maximum current protection

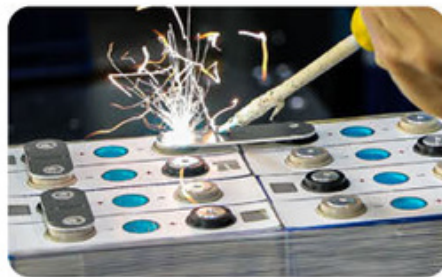




Factory Strength



Solar System Project





WHC Showroom

WHC Solar Certificate





MAIGA & CO®

INTERNATIONAL



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