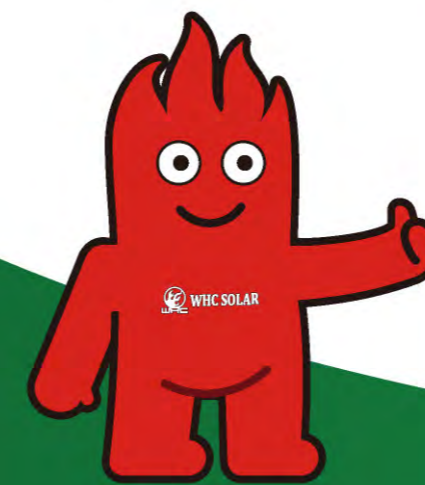


16 Years Experience Solution Reduce Your Electricity Costs.





WHC SOLAR
Let The World Have Electricity.

To Help 300 agents succeed in their solar business career

CONTACT US

 service@whcsolar.com

 + 86 15018775213

 www.whcsolar.com

 R1206,12/F YiDong Building No.303 HuanShi Mid Road YueXiu District,GuangZhou



WeChat



WhatsApp



Energy Storage System



Hybrid Inverter



Solar Battery



Solar Panel



Solar Water Pump



Solar Street Light

CONTENTS

01 Company Profile

Company Profile.....	01-04
----------------------	-------

02 Solar Power System

500W/1KW/2KW/3KW/5KW/10KW Solar Power Station.....	05-06
WHC3.6KW-400 Solar Power System.....	07
WHC5KW-800 Solar Power System.....	08
WHC3.6KW-5KWH Solar Power System.....	09
WHC5KW-5KWH Solar Power System.....	10
WHC5KW-10KWH Solar Power System.....	11
WHC10KW-20KWH Solar Power System.....	12
WHC20KW-40KWH Solar Power System.....	13
WHC30KW-60KWH Solar Power System.....	14
WHC30/50KW Solar Energy Storage System.....	15-16
WHC100KW Solar Energy Storage System.....	17-18

03 Solar Battery

Gel Battery Series.....	19-20
12.8V/25.6V Lithium Battery.....	21
Rack Mounted Lithium Battery.....	22
Powerwall/LiFePO4 Lithium Battery Series.....	23-24
215KWH ESS Lithium Battery	25-26

04 Solar Inverter

HVM Series Hybrid Inverter.....	27-28
1-8KW Low Frequency Inverter.....	29
ST-300W Socket Inverter.....	30

05 Solar Controller

PWM Series Solar Charge Controller.....	31
MPPT Series Solar Charge Controller.....	32

06 Solar Panel

Mono Solar Panel.....	33-34
-----------------------	-------

07 Solar Street Light

PB Series Solar Street Light.....	35
Sky Series Solar Street Light.....	36
Solar Flood Light.....	37
COBRA Series All in One Solar Street Light.....	38
FLY Series All in One Solar Street Light.....	39-40
Max Series All in One Solar Street Light.....	41
Super Series All in One Solar Street Light.....	42

08 Solar Water Pump

Solar Submersible Water Pump.....	43-44
AC/DC Solar Submersible Water Pump.....	45
Solar Surface Water Pump.....	46

09 Solar System Projects

Solar System Projects.....	47-48
----------------------------	-------

What is WHC?



W — Wonderful **H** — Hope **C** — Challenge

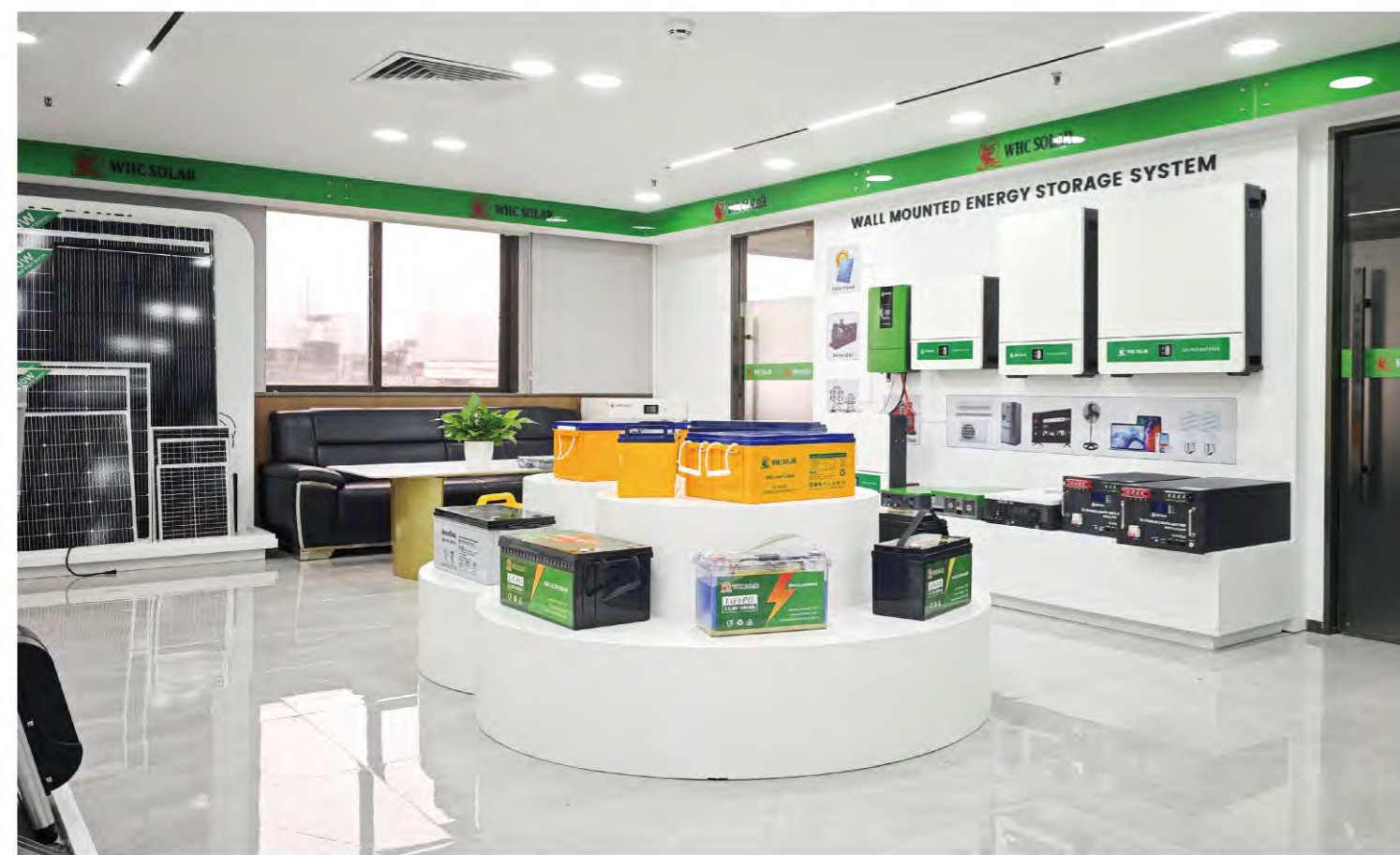
WHC Represents A Wonderful Organization, Full Of Hope, And Likes To Challenge. Bring Real Useful Solar Products To All Human Beings.

WHC MISSION:

Let The World Have Electricity.

WHC VISION:

1. To be the NO.1 Solar Battery Brand in Africa.
2. To Help 300 Agents Succeed In Their Solar Business Career.



200,000m²
Factory

1000+
Government Project

16
Years Experience

37
National Patent Certificates

300+
Active Agents

10
Automated Production Lines

Get Rich = WHC Agent

01 I am Sani From Nigeria



I Purchased Different Solar Products Of Bad Quality From Lots Of Small Dealers. But Failing To Get Full Support From Any One.

02 WHAT ARE THE PROBLEMS?



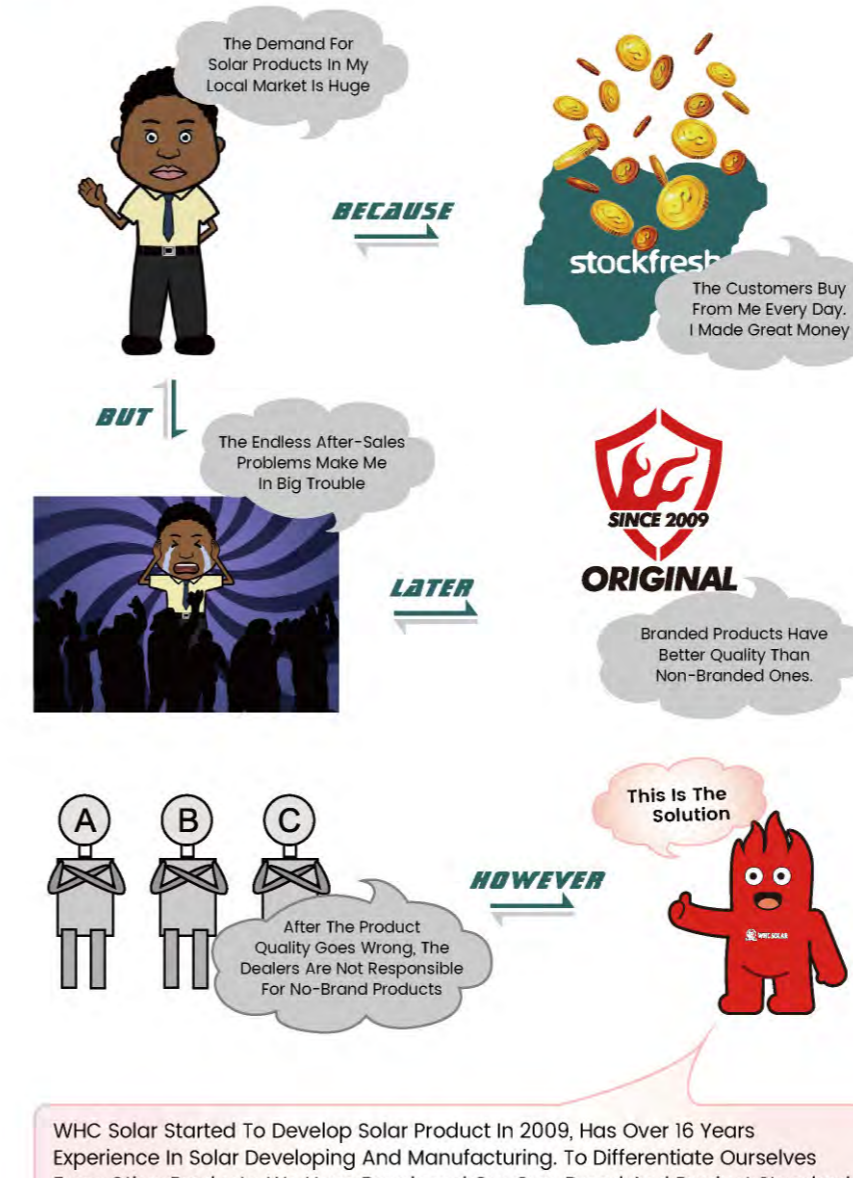
1 The Solar Panel Cannot Be Charged

2 The Controller Can Not Provide Overcharge Protection

3 The Battery Have Glass Inside

4 Some Dealers Put Fake Labels On 1000W Inverters As 3000W Inverters For Cheating Capacity

03 IN FACT



The Demand For Solar Products In My Local Market Is Huge

BECAUSE

stockfresh

The Customers Buy From Me Every Day. I Made Great Money

BUT

The Endless After-Sales Problems Make Me In Big Trouble

LATER

SINCE 2009 ORIGINAL

Branded Products Have Better Quality Than Non-Branded Ones.

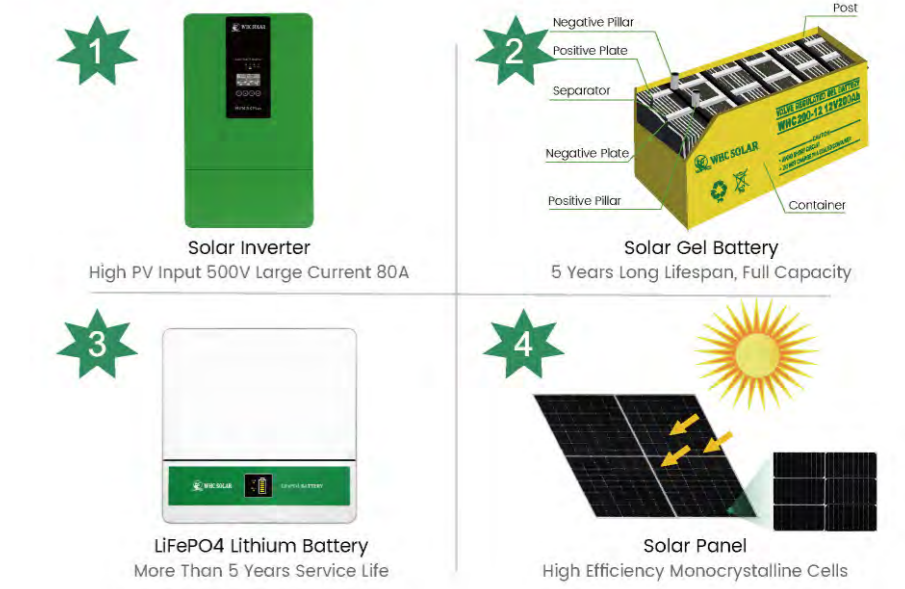
HOWEVER

This Is The Solution

After The Product Quality Goes Wrong, The Dealers Are Not Responsible For No-Brand Products

WHC Solar Started To Develop Solar Product In 2009, Has Over 16 Years Experience In Solar Developing And Manufacturing. To Differentiate Ourselves From Other Products. We Have Developed Our Own Brand And Product Standards.

04 SUCH AS



1 Solar Inverter
High PV Input 500V Large Current 80A

2 Solar Gel Battery
5 Years Long Lifespan, Full Capacity

3 LiFePO4 Lithium Battery
More Than 5 Years Service Life

4 Solar Panel
High Efficiency Monocrystalline Cells

WHC SOLAR I Trust

300+

WHC Never Use Poor-Quality Product In The Market, Making A Customers Trusted Brand. So Far, WHC Solar Has Made Over 300+ Agents All Around The World Become Respected Solar Company Successfully.

WE OFFER AGENTS SERVICE

- 01 Agency VIP Price
- 02 Generous WHC Gifts
- 03 New Products Priority
- 04 Free Business Card, Shop Product Poster, Banner
- 05 Free Installation Drawings Design
- 06 Product Training Videos
- 07 Perfect After-Sales Service, Provide Free Accessories
- 08 Local Competitors Analysis And Stock Up Plans
- 09 Local Customers Recommendation And Promotion
- 10 Other Products Purchasing Assistance

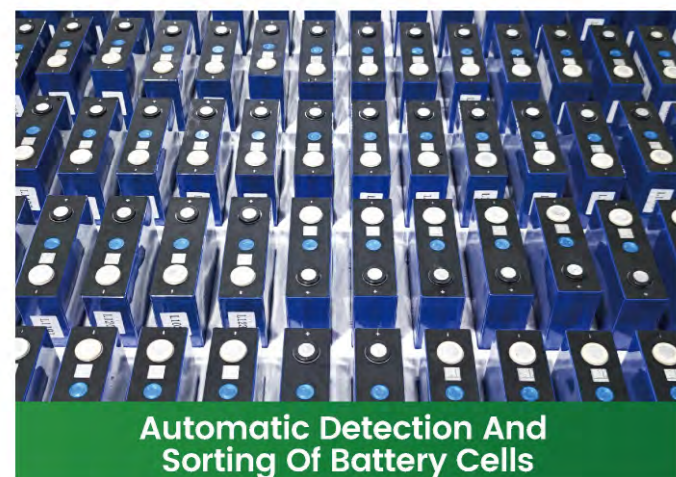
Factory Strength

WHC Solar Was Established In 2009, Specializing In The R&D, Production, And Sales Of Solar Battery, Solar Panel, Solar Charge Controller, Solar Inverter, Solar Power System, Solar Street Light, And Solar Water Pump.

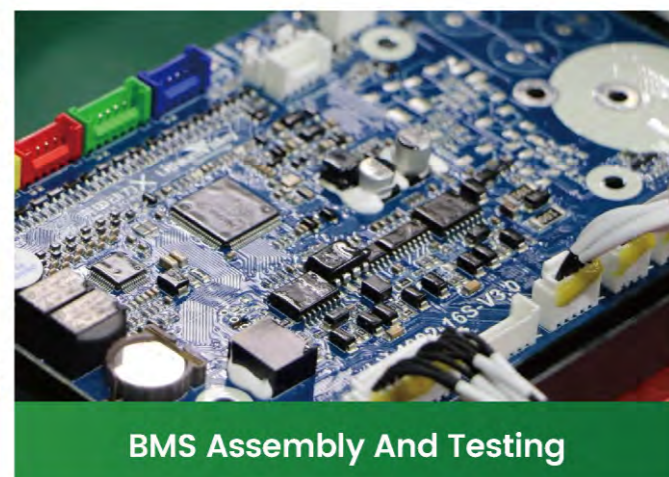


Intelligent Production Line

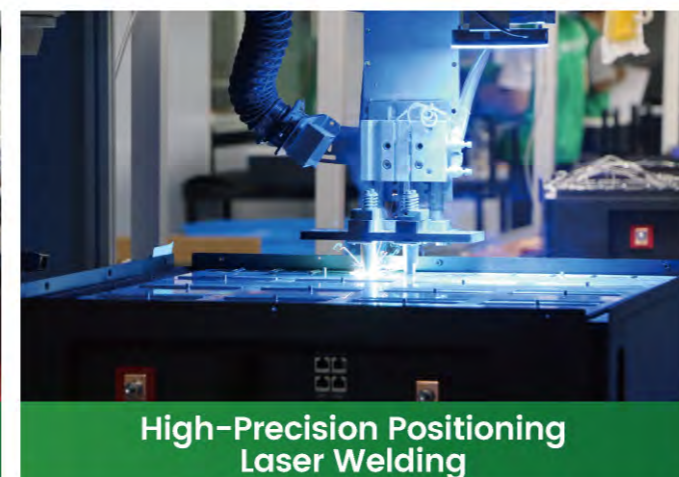
With Over 16 Years Of Experience In Solar Battery Manufacturing And 12 Years In Off-Grid Solar Systems, WHC Solar Operates A 200,000m² Factory, Dedicated To Providing High-Quality Products And Exceptional Customer Service.



Automatic Detection And Sorting Of Battery Cells



BMS Assembly And Testing



High-Precision Positioning Laser Welding



PV Panel Intelligent Integrated Production Line

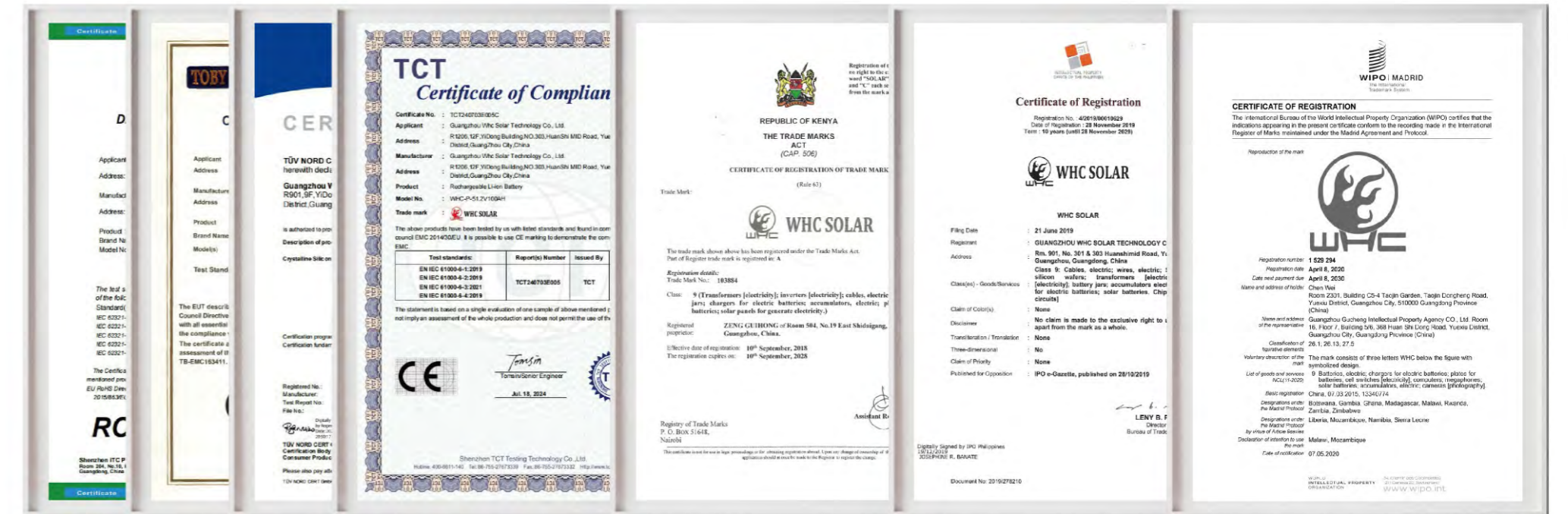


Gel Battery Inner Formation Charging



Solar Street Lights Charging & Discharging Detection

WHC Solar Certificates



WHC Solar Patents



Solar Power Station

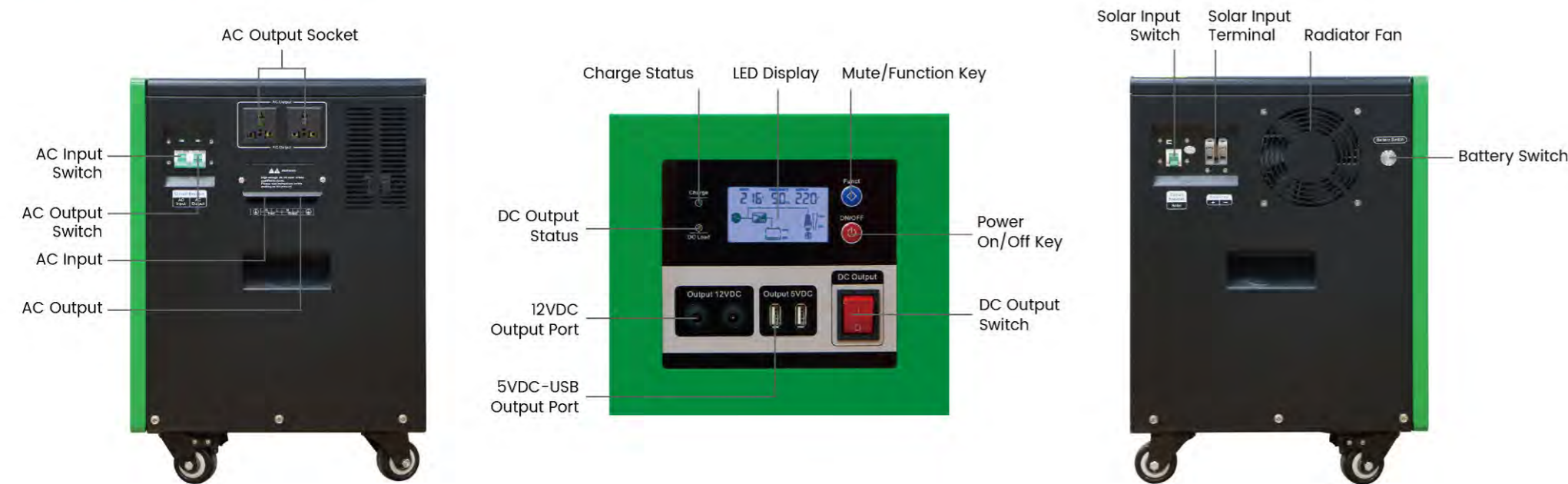
500W / 1KW / 2KW / 3KW / 5KW / 10KW



Product Features

1. Pure Sine Wave Inverter With Double CPU Intelligent Control Technology.
2. Built-In 6000 Cycles A+ Quality LiFePO4 Lithium Battery 10 Years Service Life.
3. No Installation Required, Just Plug on It.
4. MPPT Controller Greatly Improves The Charging Efficiency By More Than 30%.
5. Overcharge Protection And Over Discharge Protection For A Longer Battery Life.
6. Convenient And Practical 5VDC-USB Output Port And 12VDC Output Port.
7. Overall Automatic Protection And Alarms Including AC Output Overload Short Circuit Protection Etc.

Buttons & Ports



AC Output Socket View: AC Output Socket, AC Input Switch, AC Output Switch, AC Input, AC Output.

Control Panel View: Charge Status, LED Display, Mute/Function Key, DC Output Status, 12VDC Output Port, 5VDC-USB Output Port, Power On/Off Key, DC Output Switch.

Solar Input View: Solar Input Switch, Solar Input Terminal, Radiator Fan, Battery Switch.

System Diagram



Product Model

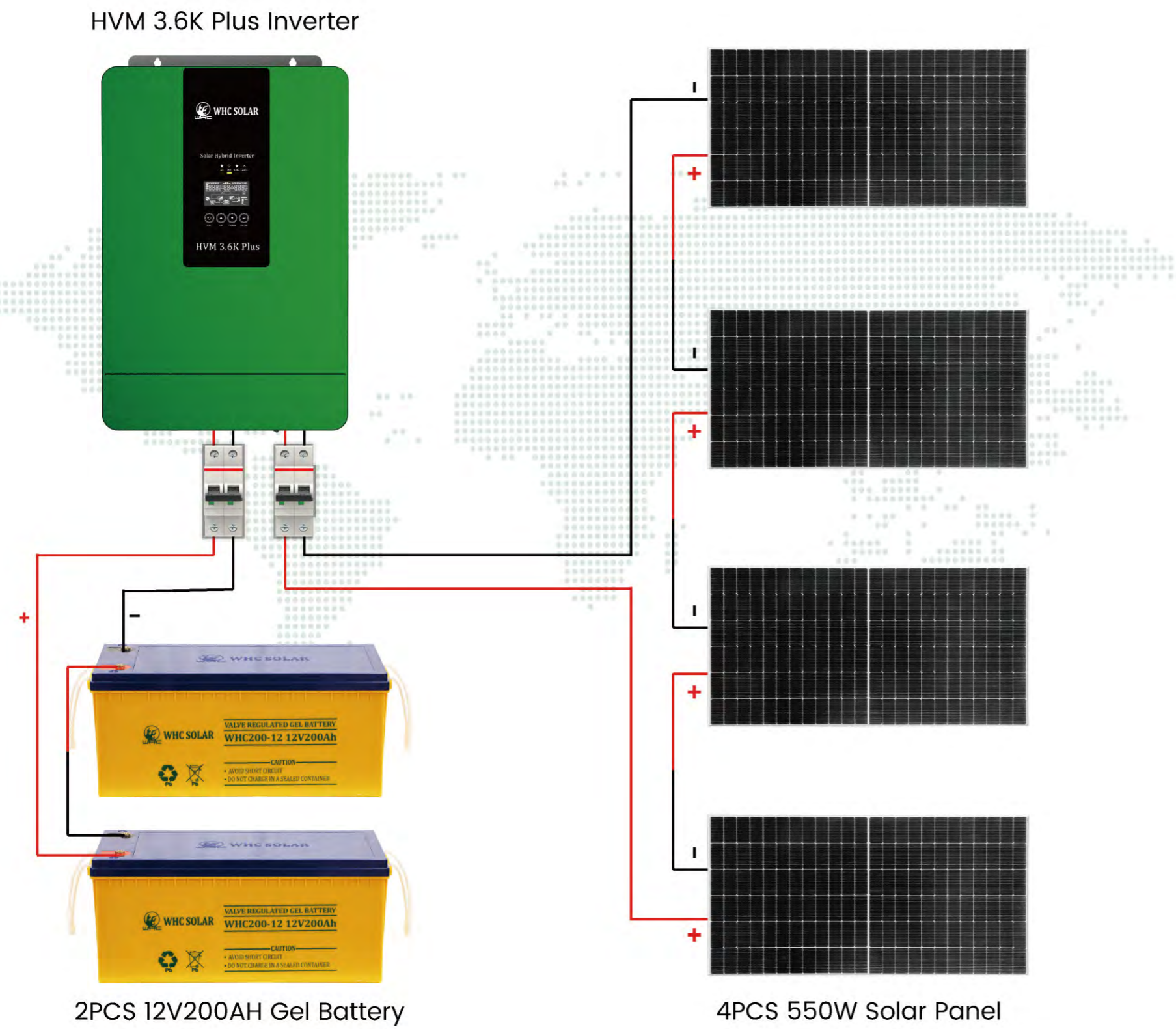


SPS-500W/1000W SPS-2000W/3000W SPS-5000W SPS-10KW

Specification

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	550W*2pcs	550W*2pcs	550W*3pcs	550W*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	56.8	56.8	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		
Sizes (mm)	390*215*310	440*215*350	515*335*480		605*410*540	780*447*724

WHC3.6KW-400 Solar Hybrid Power System

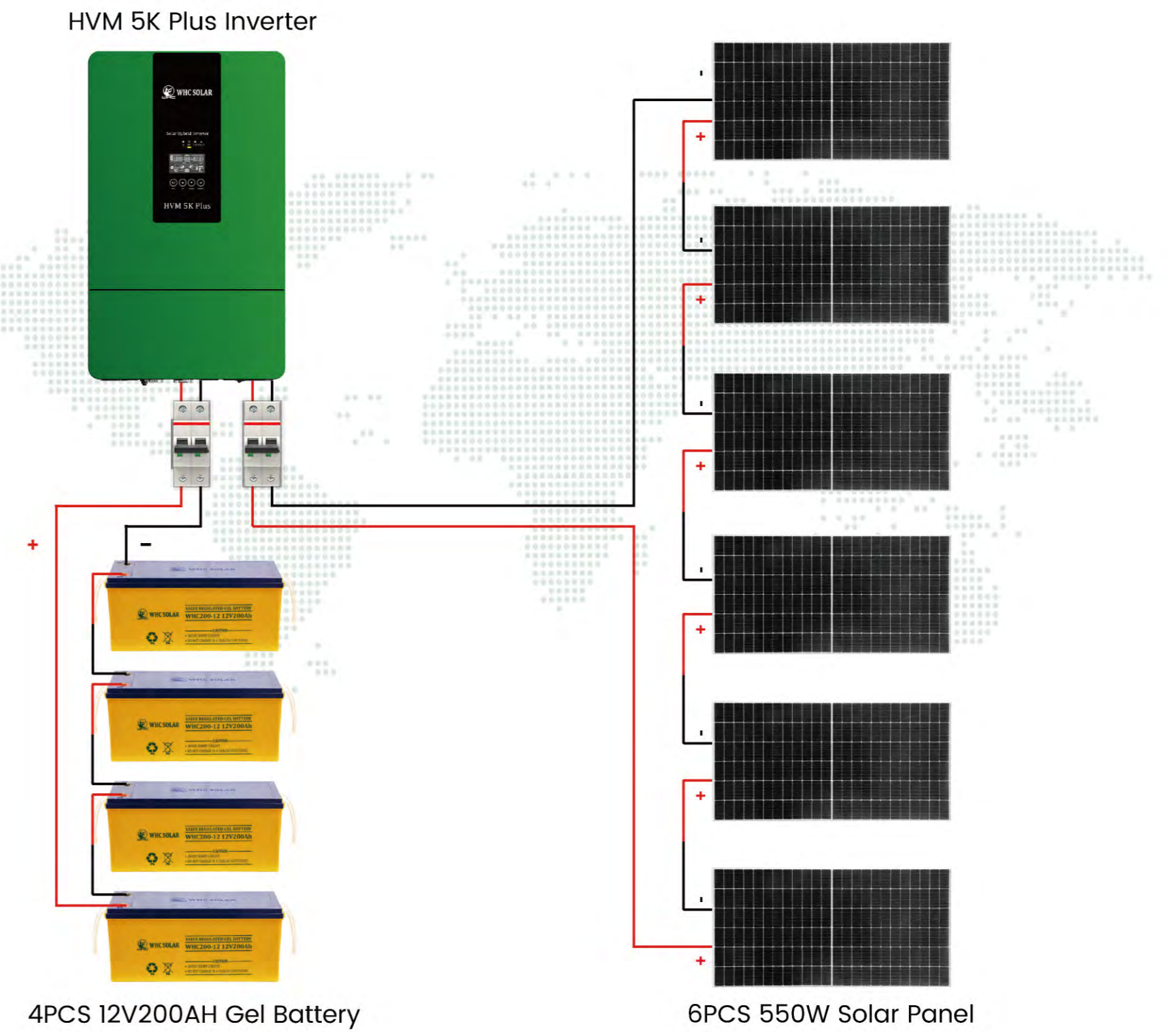


Appliances: Fridge, Washing Machine, Tv, Fan, Light etc.



Item	Model	Specifications	Quantity
Inverter	HVM 3.6K Plus	24V 3.6KW & MPPT 500V 100A	1
Solar Panel	WHC-550-144	Mono 41.97V550W	4
Battery	WHC200-12	Gel Battery 12V200AH	2
Accessories	PV Cable 100m	PV 4MM ²	2
	Battery Cable	35 MM ²	3
	MC4	Connector	2

WHC5KW-800 Solar Hybrid Power System



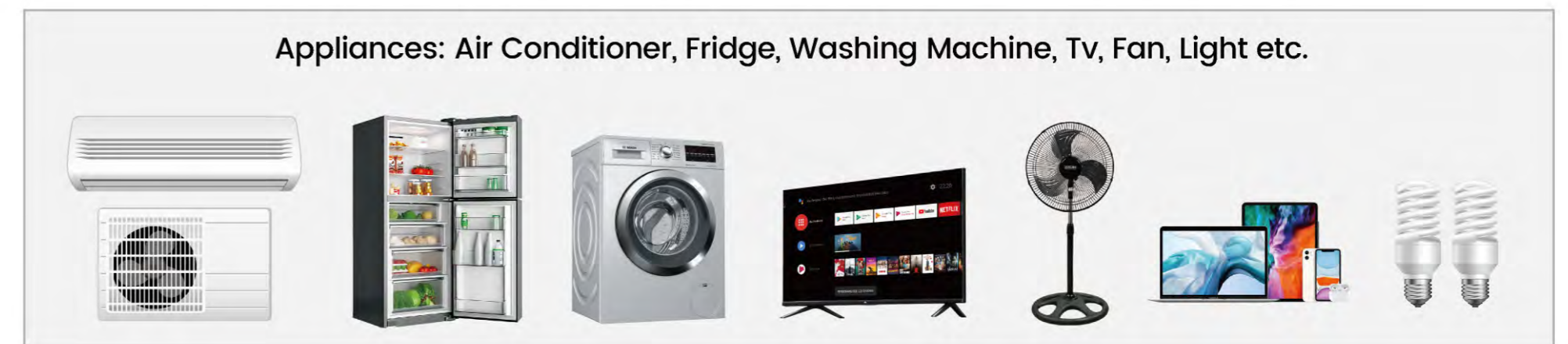
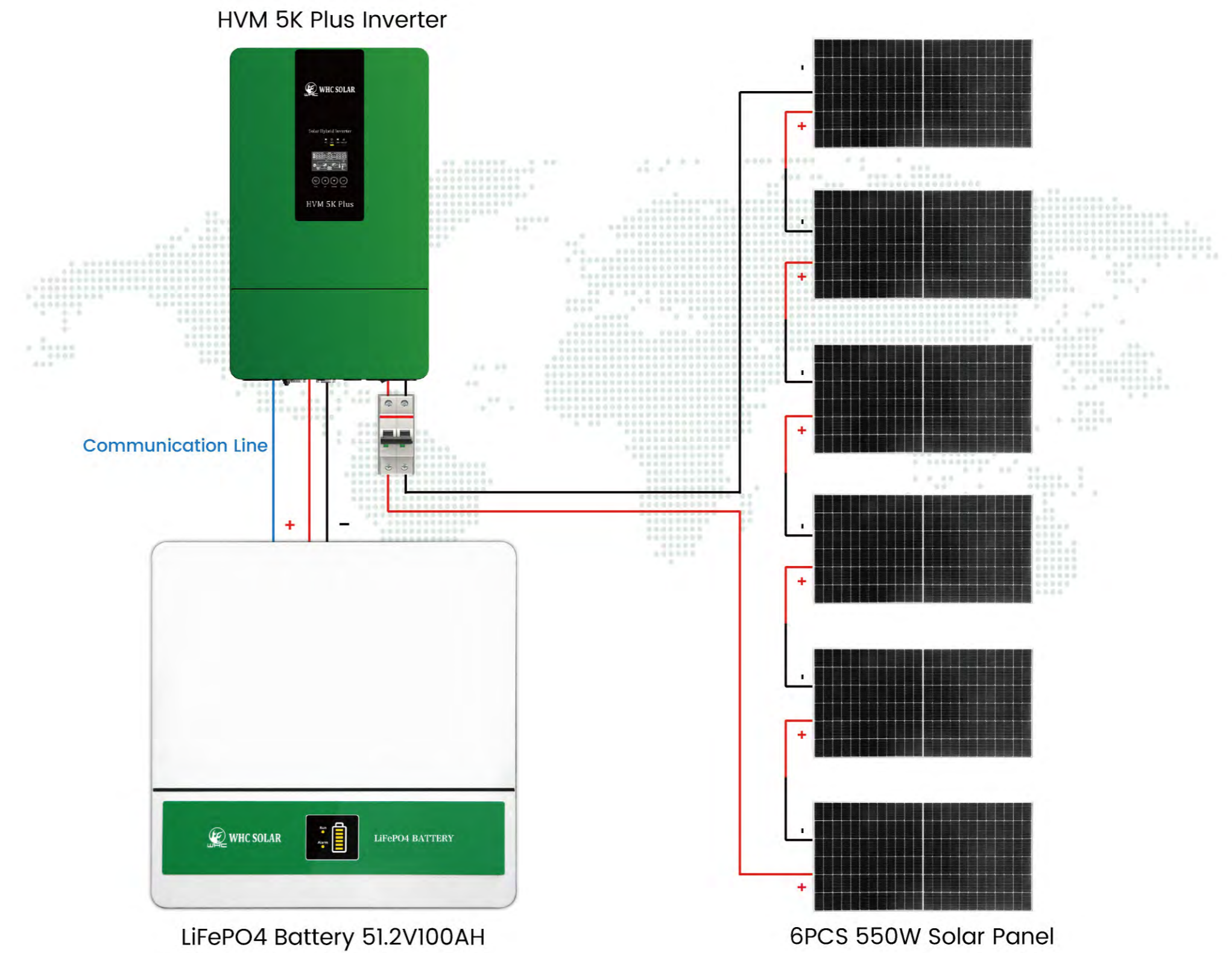
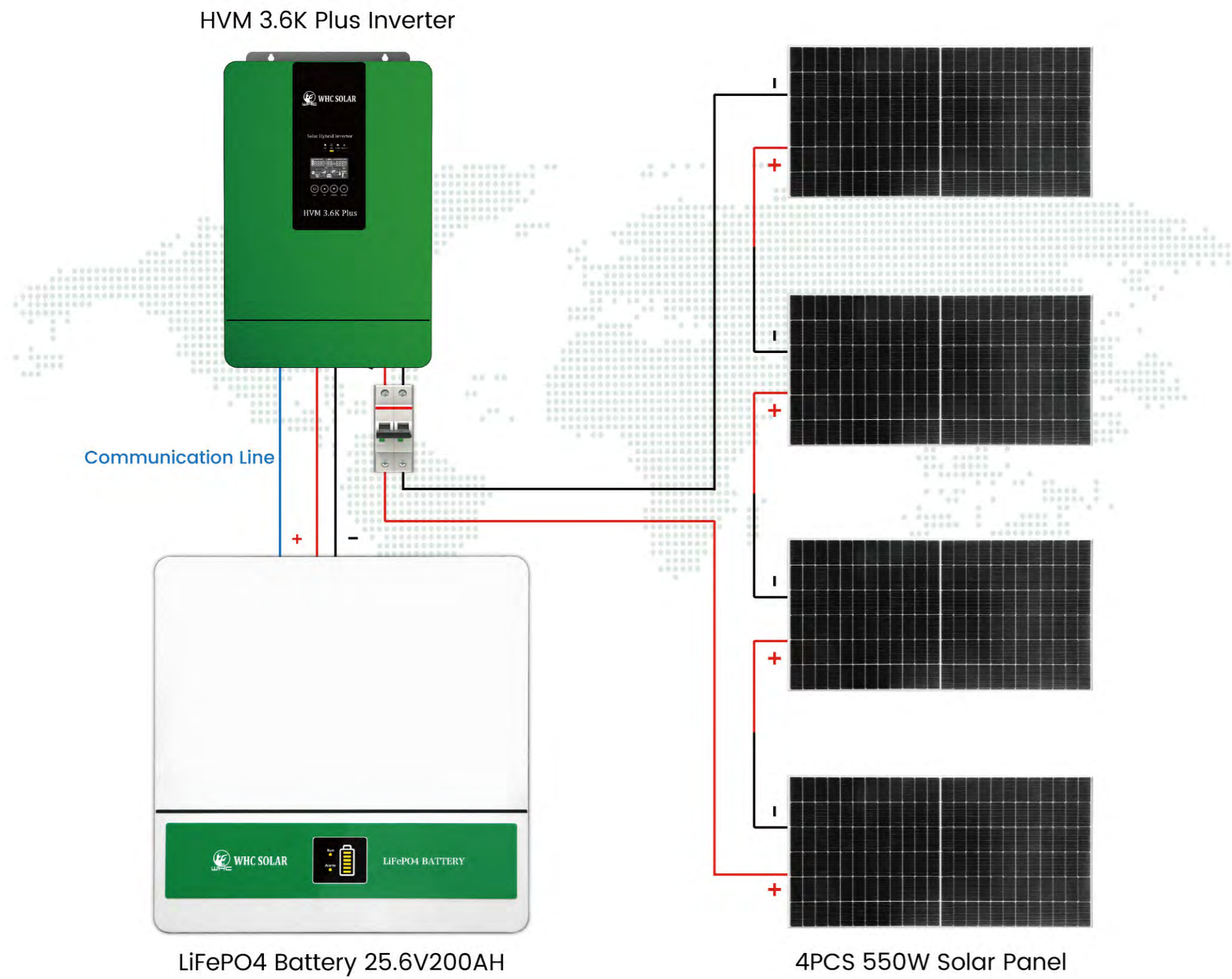
Appliances: Air Conditioner, Fridge, Washing Machine, Tv, Fan, Light etc.



Item	Model	Specifications	Quantity
Inverter	HVM 5K Plus	48V 5KW & MPPT 500V 80A	1
Solar Panel	WHC-550-144	Mono 41.97V550W	6
Battery	WHC200-12	Gel Battery 12V200AH	4
Accessories	PV Cable 100m	PV 6MM ²	2
	Battery Cable	35 MM ²	5
	MC4	Connector	4

WHC3.6KW-5KWH Solar Hybrid LiFePO4 Battery Power System

WHC5KW-5KWH Solar Hybrid LiFePO4 Battery Power System

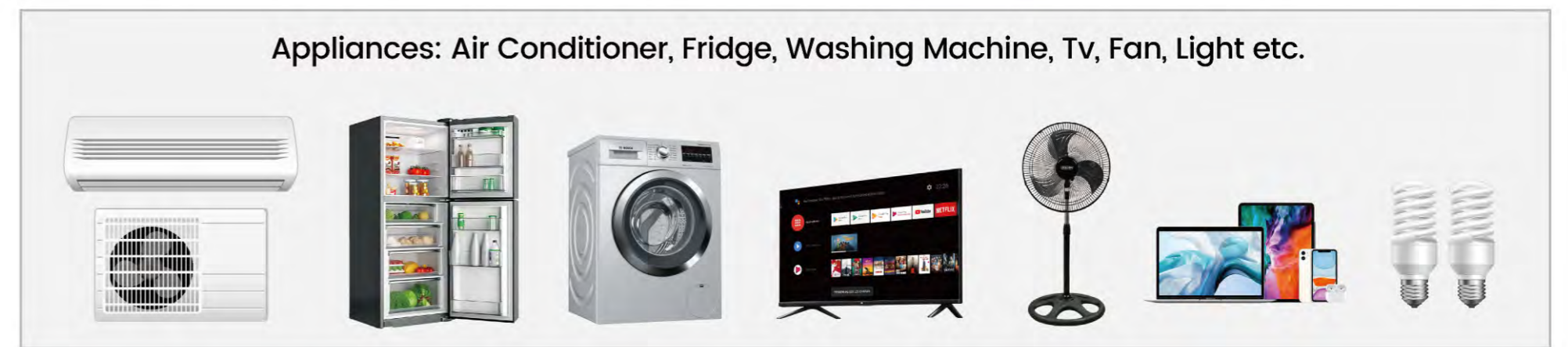
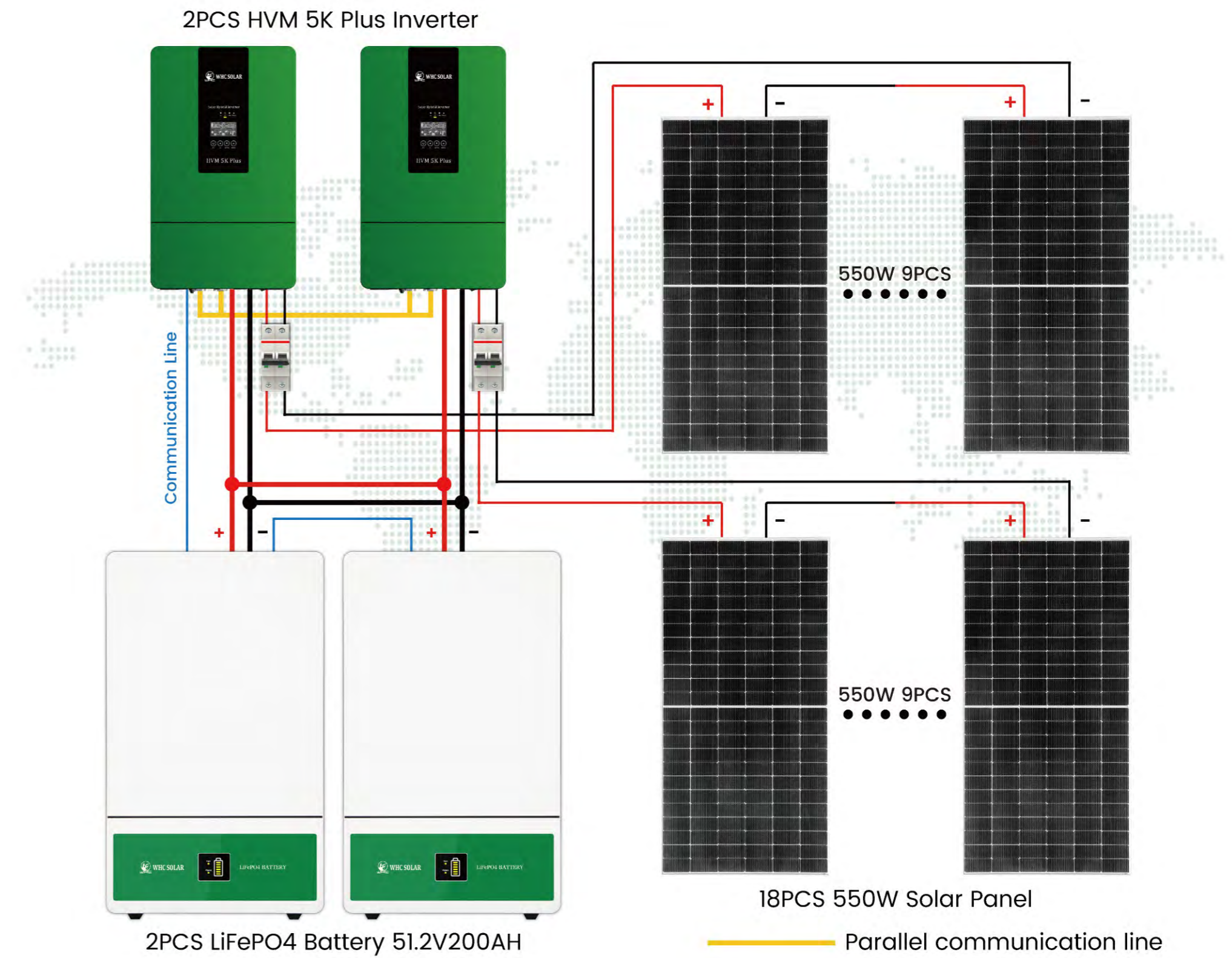
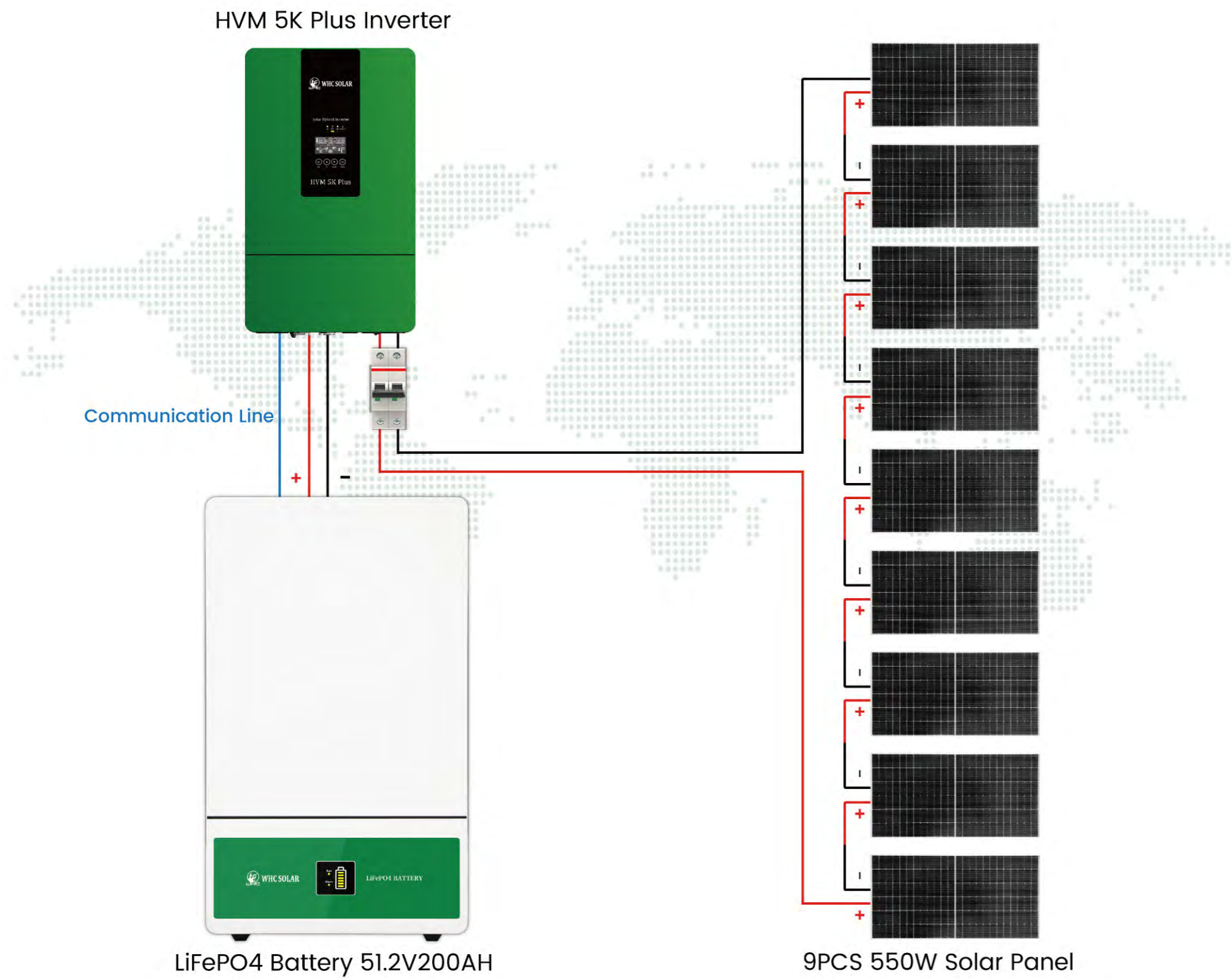


Item	Model	Specifications	Quantity
Inverter	HVM 3.6K Plus	24V 3.6KW & MPPT 500V 100A	1
Solar Panel	WHC-550-144	Mono 41.97V550W	4
Battery	WHC-P-25.6V200AH	LiFePO4 Lithium 5120WH	1
Accessories	PV Cable 100m	PV 4MM ²	2
	Battery Cable	25 MM ²	2
	MC4	Connector	2

Item	Model	Specifications	Quantity
Inverter	HVM 5K Plus	48V 5KW & MPPT 500V 80A	1
Solar Panel	WHC-550-144	Mono 41.97V550W	6
Battery	WHC-P-51.2V100AH	LiFePO4 Lithium 5120WH	1
Accessories	PV Cable 100m	PV 6MM ²	2
	Battery Cable	25 MM ²	2
	MC4	Connector	4

WHC5KW-10KWH Solar Hybrid LiFePO4 Battery Power System

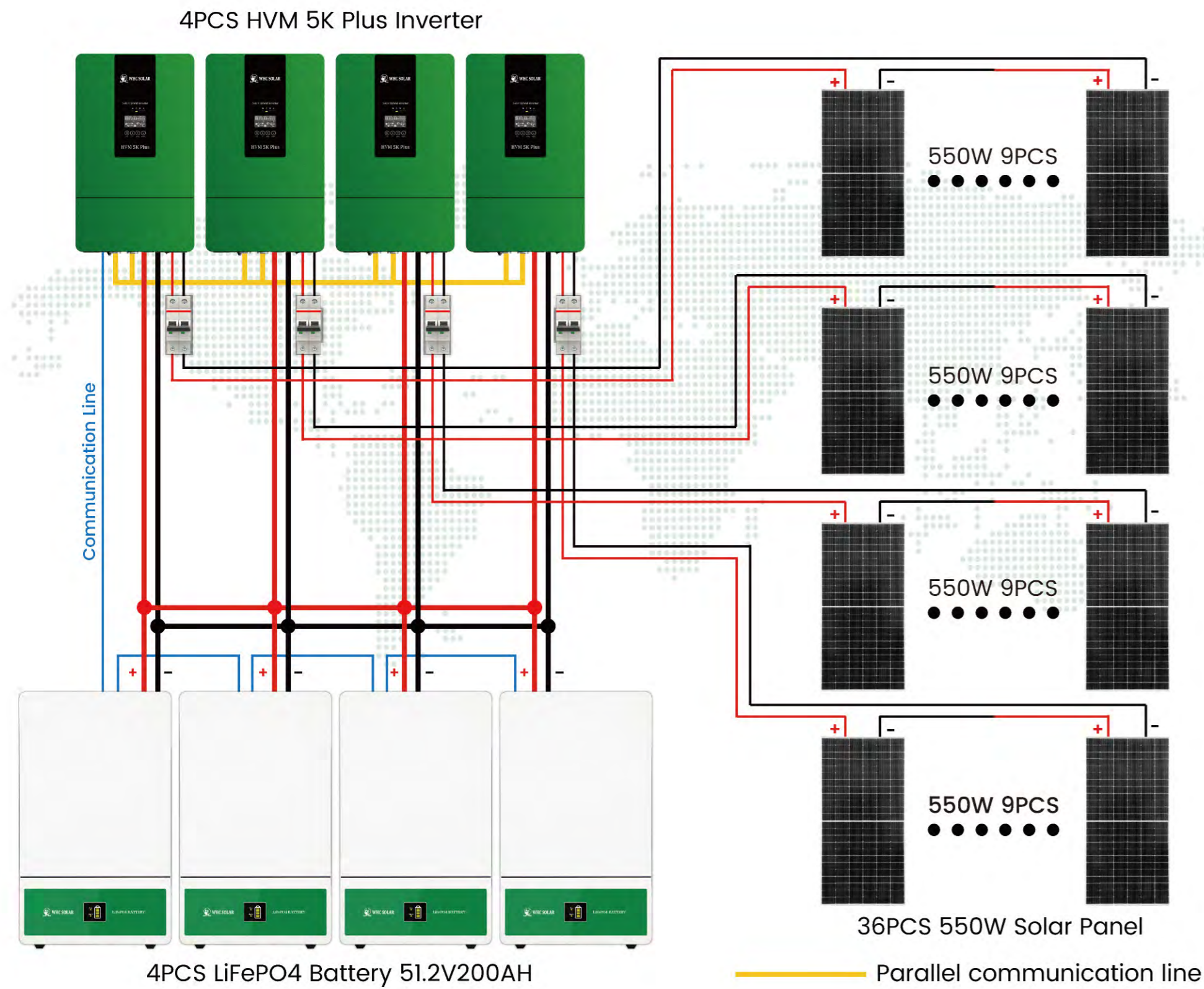
WHC10KW-20KWH Solar Hybrid LiFePO4 Battery Power System



Item	Model	Specifications	Quantity
Inverter	HVM 5K Plus	48V 5KW & MPPT 500V 80A	1
Solar Panel	WHC-550-144	Mono 41.97V550W	9
Battery	WHC-P-51.2V200AH	LiFePO4 Lithium 10240WH	1
Accessories	PV Cable 100m	PV 6MM ²	2
	Battery Cable	50 MM ²	2
	MC4	Connector	4

Item	Model	Specifications	Quantity
Inverter	HVM 5K Plus	48V 5KW & MPPT 500V 80A	2
Solar Panel	WHC-550-144	Mono 41.97V550W	18
Battery	WHC-P-51.2V200AH	LiFePO4 Lithium 10240WH	2
Accessories	PV Cable 100m	PV 6MM ²	2
	Battery Cable	50 MM ²	4
	MC4	Connector	8

WHC20KW-40KWH Solar Hybrid LiFePO4 Battery Power System

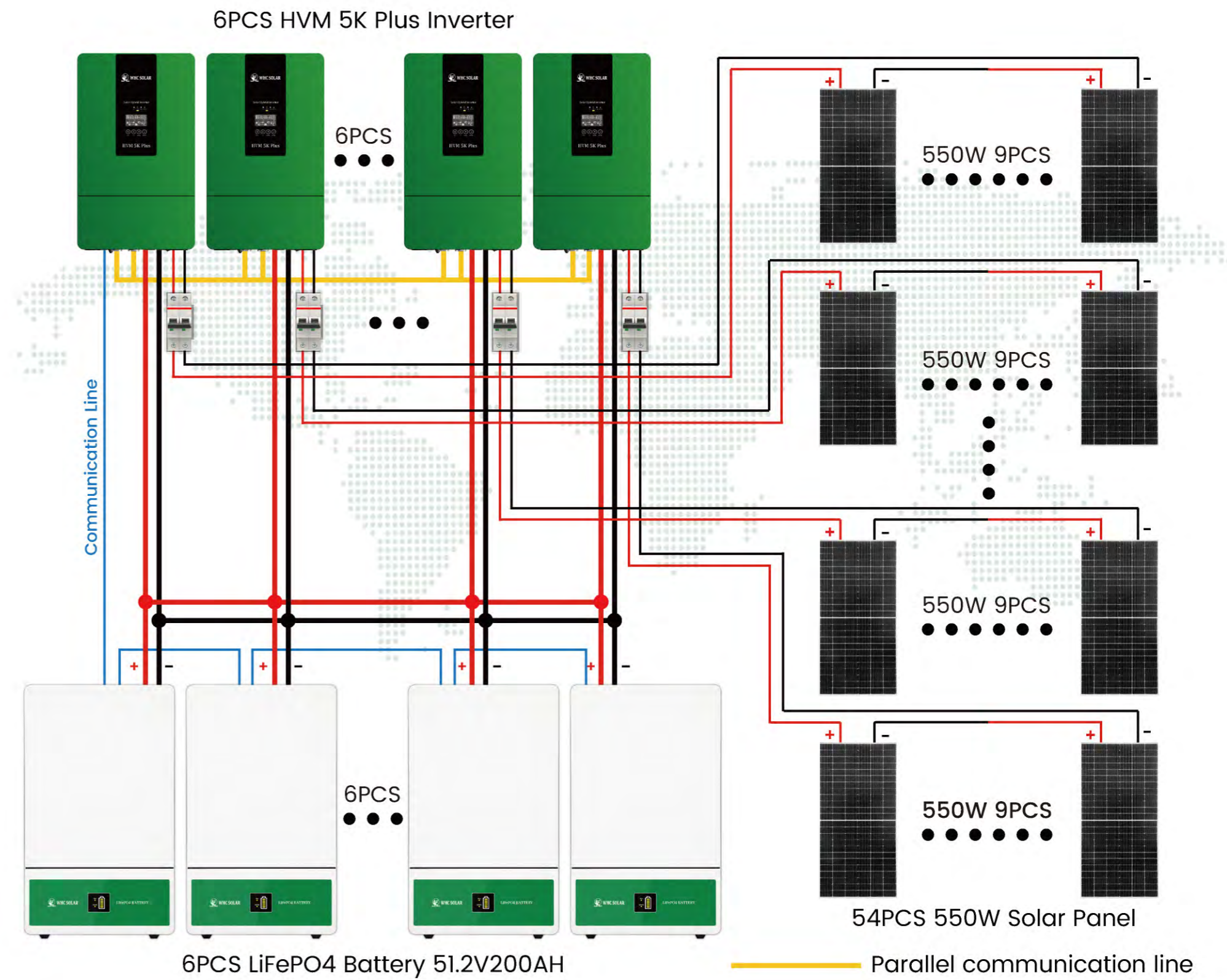


Appliances: Air Conditioner, Fridge, Washing Machine, Tv, Fan, Light etc.



Item	Model	Specifications	Quantity
Inverter	HVM 5K Plus	48V 5KW & MPPT 500V 80A	4
Solar Panel	WHC-550-144	Mono 41.97V550W	36
Battery	WHC-P-51.2V200AH	LiFePO4 Lithium 10240WH	4
Accessories	PV Cable 100m	PV 6MM ²	4
	Battery Cable	50 MM ²	8
	MC4	Connector	16

WHC30KW-60KWH Solar Hybrid LiFePO4 Battery Power System



Appliances: Air Conditioner, Fridge, Washing Machine, Tv, Fan, Light etc.



Item	Model	Specifications	Quantity
Inverter	HVM 5K Plus	48V 5KW & MPPT 500V 80A	6
Solar Panel	WHC-550-144	Mono 41.97V550W	54
Battery	WHC-P-51.2V200AH	LiFePO4 Lithium 10240WH	6
Accessories	PV Cable 100m	PV 6MM ²	6
	Battery Cable	50 MM ²	12
	MC4	Connector	24

WHC30KW/50KW Solar Energy Storage System

WHC-30KW-Li-61Kwh / WHC-50KW-Li-100Kwh



Products Features

Indoor Rack Mounted Energy Storage System,
Modular design, good compatibility,
Flexible configurations of system capacity.



Versatile

Support peak shaving and valley filling, demand-side response, backup power supply and other main functions; Support remote update of operating strategy and firmware upgrade, lower operating and maintenance costs.



Flexible and convenient

Modular PCS, linear expansion battery unit and energy storage bidirectional inverter unit; It has the ability to independently charge and discharge control of multiple groups of batteries to improve battery utilization and safety.



High integration

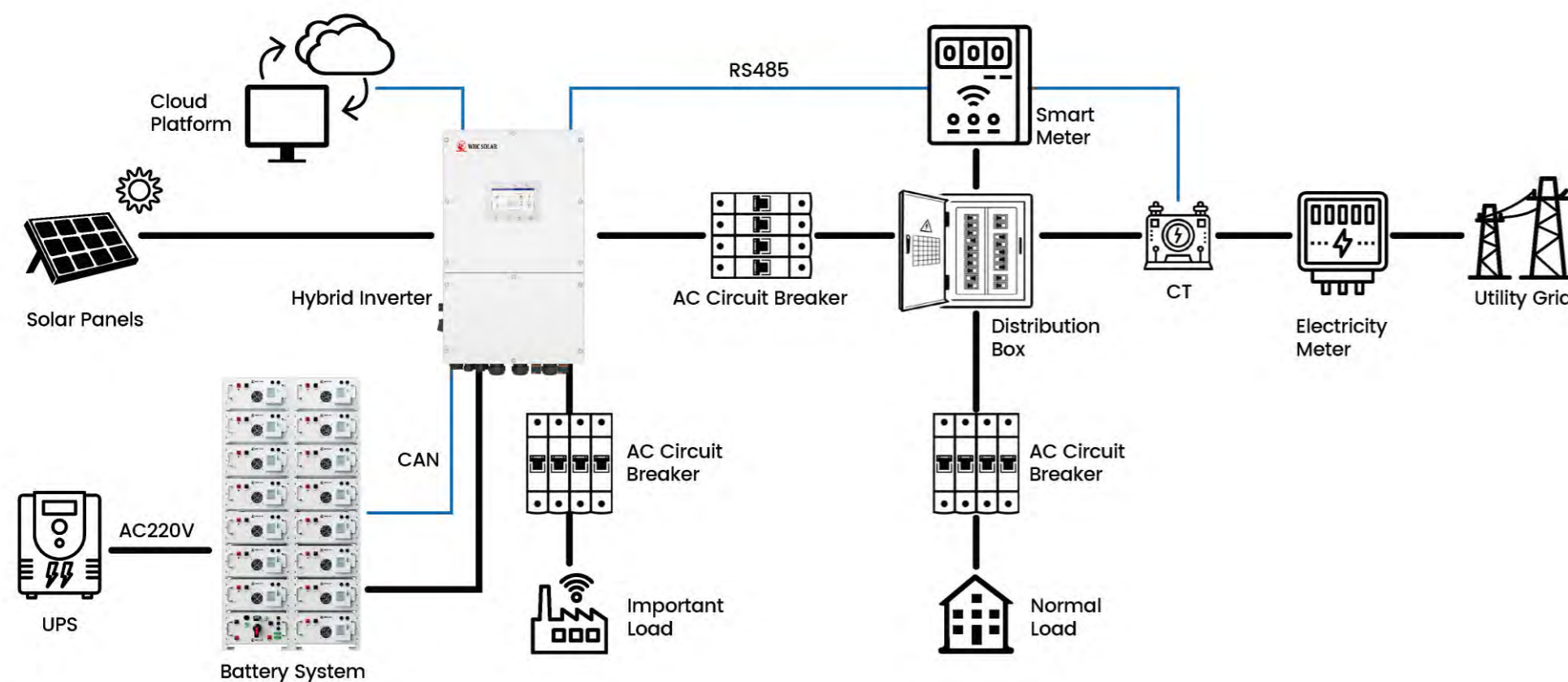
System production, integration of Battery, fire protection, PCS, temperature control, and monitoring communication, fully control the system operation status and risks; One-stop delivery, shorten the installation and commissioning cycle.



Safety intelligence

Fault classification processing mechanism to respond to preset fault scenarios; Customized BMS to provide perfect measurement and protection functions; Support cloud scheduling and operation report analysis.

System Diagram



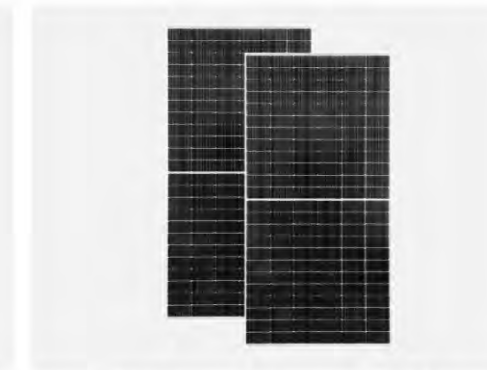
Specification



Lithium Battery Energy Storage System



30KW/50KW Hybrid Inverter



Mono Solar Panel



PV Combiner Box



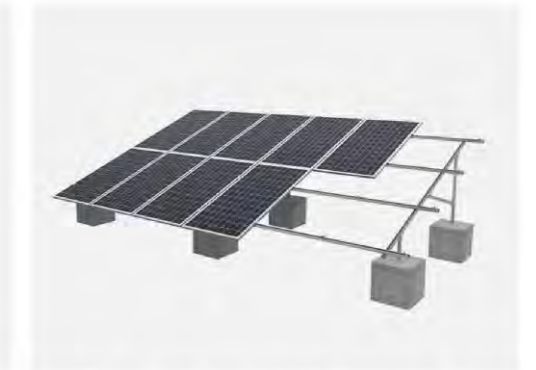
PV Cable



Battery Cable



MC4 Solar Cable Connector



PV Mounting Support

Specification

WHC-30KW-Li-61KWH Solar Energy Storage System Components List		
NO.	Item	Quantity
1	30KW/61 Kwh Solar Energy Storage System	1 Set
2	550W Solar Mono Panel	54 Pieces
3	30KW Hybrid Inverter	1 Piece
4	Battery Cable RV1*50mm ² 50cm	13 Pieces
5	PV Combiner Box: N4 Plus	1 Piece
6	PV Cable 1*10mm ² 100M	2 Pieces
7	Solar Panel Bracket	1 Set
8	MC4 Solar Cable Connector	30 Pieces
9	Solar PV Crimping Tool Kit	1 Set

WHC-50KW-Li-100KWH Solar Energy Storage System Components List		
NO.	Item	Quantity
1	50KW/100kwh Solar Energy Storage System	1 Set
2	550W Solar Mono Panel	108 Pieces
3	50KW Hybrid Inverter	1 Piece
4	Battery Cable RV1*50mm ² 50cm	8 Pieces
5	PV Combiner Box: N4 Plus	1 Piece
6	PV Cable 1*10mm ² 100M	2 Pieces
7	Solar Panel Bracket	1 Set
8	MC4 Solar Cable Connector	30 Pieces
9	Solar PV Crimping Tool Kit	1 Set

WHC100KW Solar Energy Storage System

WHC-100KW-Li-215Kwh



Products Features

Indoor Rack Mounted Energy Storage System,
Modular design, good compatibility,
Flexible configurations of system capacity.



Versatile

Support peak shaving and valley filling, demand-side response, backup power supply and other main functions; Support remote update of operating strategy and firmware upgrade, lower operating and maintenance costs.



Flexible and convenient

Modular PCS, linear expansion battery unit and energy storage bidirectional inverter unit; It has the ability to independently charge and discharge control of multiple groups of batteries to improve battery utilization and safety.



High integration

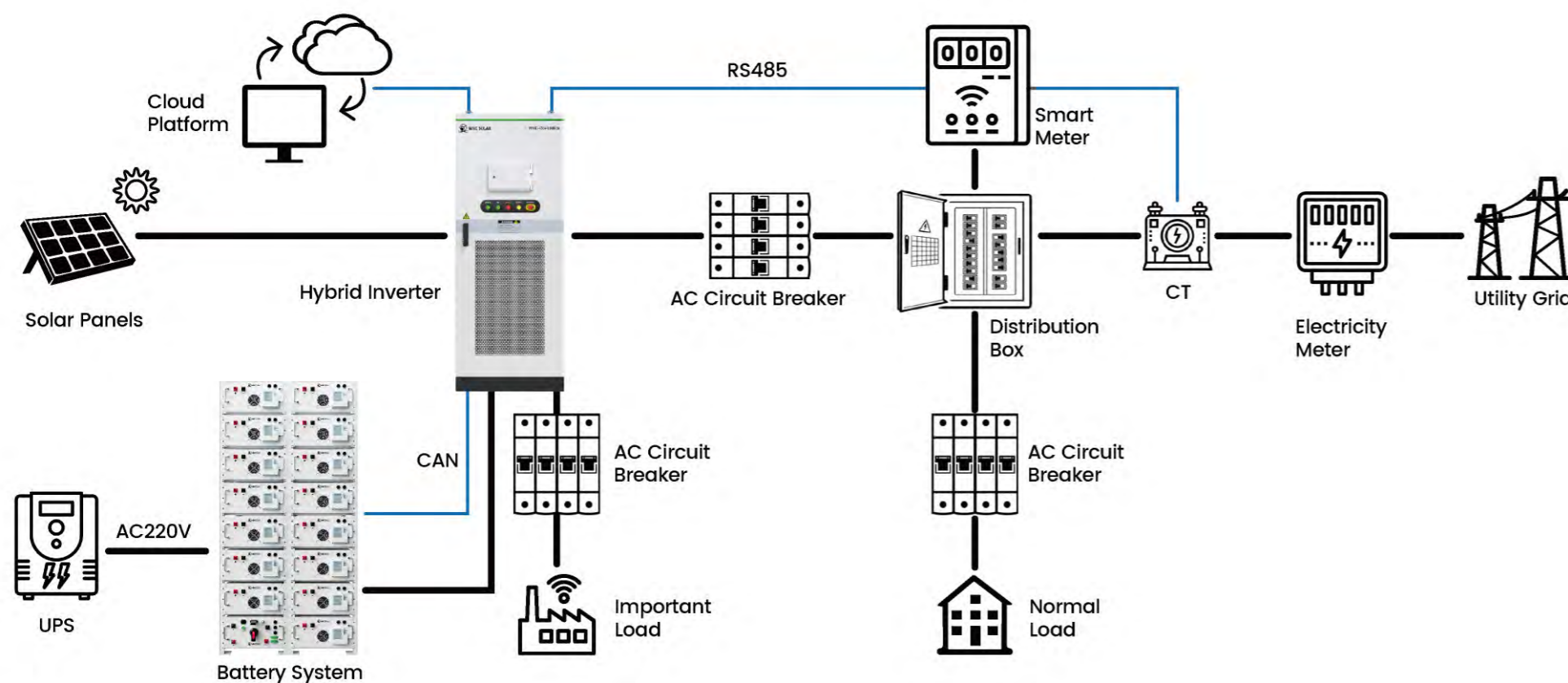
System production, integration of Battery, fire protection, PCS, temperature control, and monitoring communication, fully control the system operation status and risks; One-stop delivery, shorten the installation and commissioning cycle.



Safety intelligence

Fault classification processing mechanism to respond to preset fault scenarios; Customized BMS to provide perfect measurement and protection functions; Support cloud scheduling and operation report analysis.

System Diagram



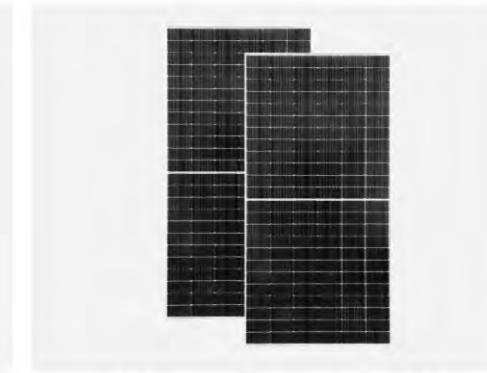
Specification



Lithium Battery Energy Storage System



100KW Hybrid Inverter



Mono Solar Panel



PV Combiner Box



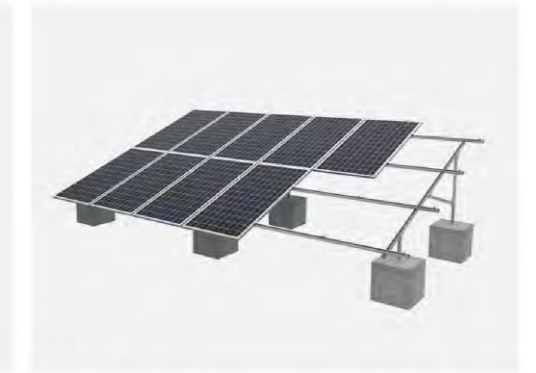
PV Cable



Battery Cable



MC4 Solar Cable Connector



PV Mounting Support

Specification

WHC-100KW-Li-215KWH Solar Energy Storage System Components List		
NO.	Item	Quantity
1	100KW/215kwh Solar Energy Storage System	1 Set
2	550W Solar Mono Panel	208 Pieces
3	100KW Hybrid Inverter	1 Piece
4	Battery Cable RV1*50mm ² 50cm	16 Pieces
5	PV Combiner Box: N4 Plus	1 Piece
6	PV Cable 1*10mm ² 100M	4 Pieces
7	Solar Panel Bracket	1 Set
8	MC4 Solar Cable Connector	30 Pieces
9	Solar PV Crimping Tool Kit	1 Set

Solar System Project



Gel Battery Series

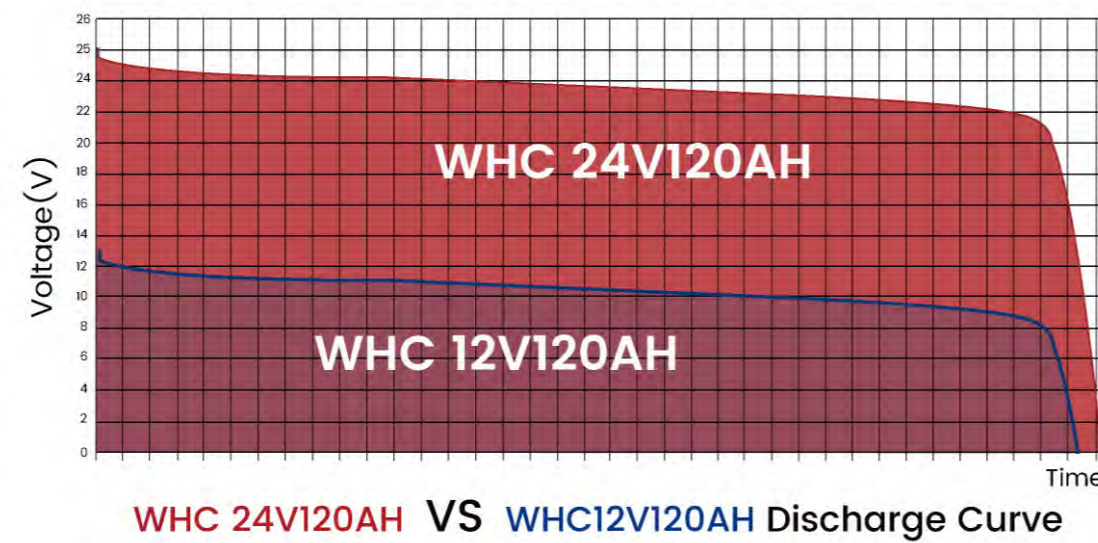
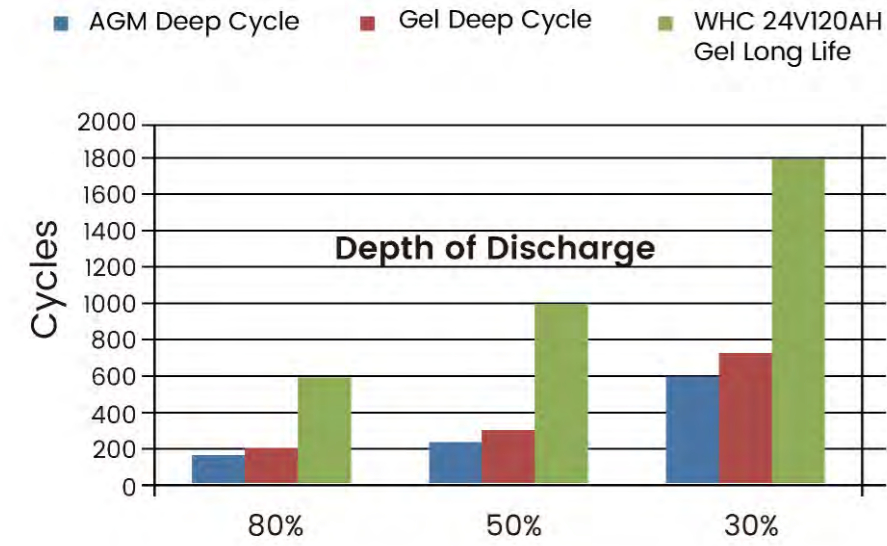
12V100AH / 12V150AH / 12V200AH / 24V120AH



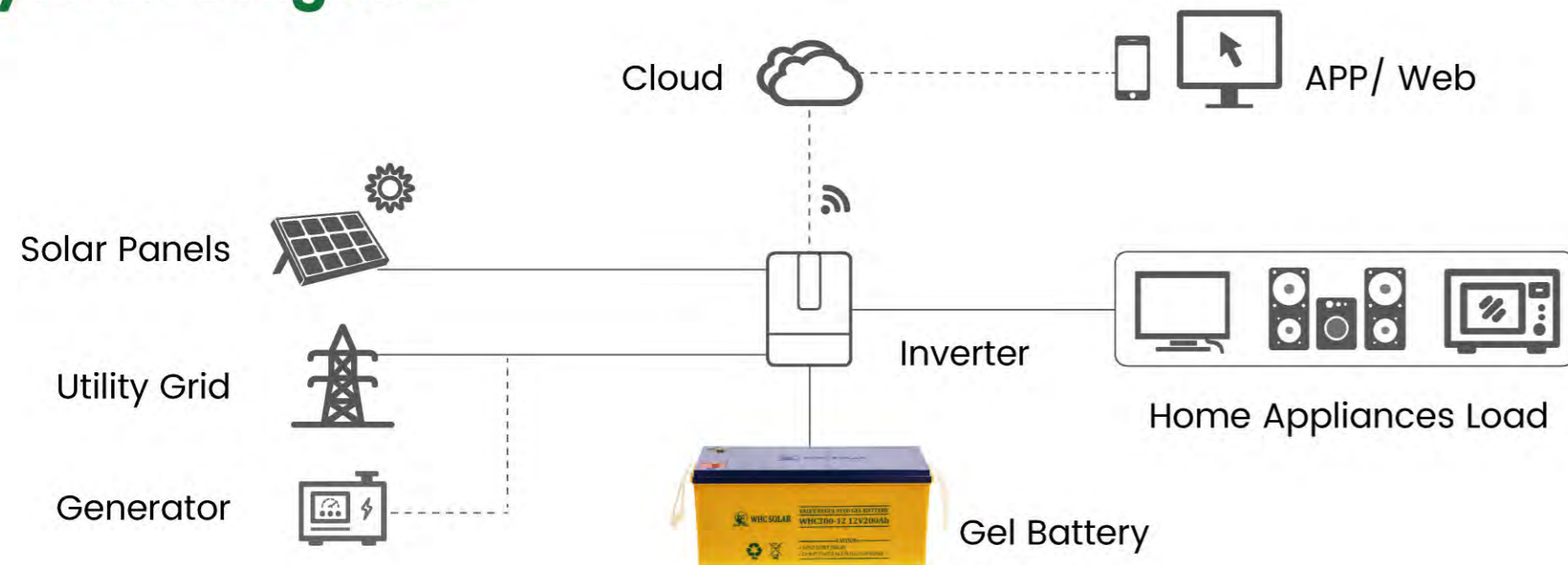
Product Features

1. Non-spillable
2. Long Service Life
3. High Discharge Rate
4. Rugged Construction
5. Sealed/Maintenance-Free
6. Deep Discharge Recovery
7. First 24V Single Independent Mold

Buttons & Ports



System Diagram



Specification

MODEL		WHC100-12	WHC150-12	WHC200-12	WHC120-24
Nominal Voltage		12V	12V	12V	24V
Capacity (25°C)	10HR (10.8V)	100Ah	150Ah	200Ah	120Ah
	5HR (10.5V)	87Ah	130Ah	156Ah	105Ah
	1HR (9.6V)	62Ah	93Ah	116Ah	74.4Ah
Dimension	Length	406±2mm	485±2mm	522±2mm	442±2mm
	Width	173±2mm	172±2mm	238±2mm	344±2mm
	Height	208±2mm	240±2mm	222±2mm	209.3±2mm
	Total Height	238±2mm	T5: 242±2mm T11: 240±2mm	222±2mm	215±2mm
Terminal Type		T19/T11	T5/T11	T11	T19/T11
Internal Resistance (Fully Charged, 25°C)		Approx. 4.5mΩ	Approx. 3.3mΩ	Approx. 3.3mΩ	Approx. 4mΩ
Capacity Affected By Temperature (10HR)	40°C	102%	102%	103%	102%
	25°C	100%	100%	100%	100%
	0°C	85%	85%	88%	85%
	-15°C	65%	65%	70%	65%
Self-Discharge (25°C)	3 month	Remaining Capacity: 91%	Remaining Capacity: 91%	Remaining Capacity: 94%	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%	Remaining Capacity: 82%	Remaining Capacity: 88%	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%	Remaining Capacity: 65%	Remaining Capacity: 75%	Remaining Capacity: 65%
Nominal Operating Temperature	25°C±3°C (77°F±5°F)				
Operating Temperature Range	Discharge	-15°C~-50°C (5°F~-122°F)			
	Charge	-10°C~-50°C (14°F~-122°F)			
	Storage	-20°C~-50°C (-4°F~-122°F)			
Float Charging Voltage (25°C)	13.50 to 13.80V Temperature Compensation: -18mV/°C				
Cyclic Charging Voltage (25°C)	14.50 to 14.90V Temperature Compensation: -30mV/°C				
Maximum Charging Current		30A	40A	40A	36A
Terminal Material		T19: Lead, T11: Copper	Copper	Copper	T19: Lead, T11: Copper
Maximum Discharging Current		800A (5 sec.)	1200A (5 sec.)	1600A (5 sec.)	960A (5 sec.)

12.8V/25.6V Lithium Battery

12.8V100AH / 12.8V200AH / 25.6V100AH / 12.8V300AH



Product Features

1. Service Life: 10 Years
2. Increased Safety Performance
3. 100% High Efficient Discharge
4. High Temperature Performance
5. Intelligent BMS System, All-round Protection

Rack Mounted Lithium Battery.

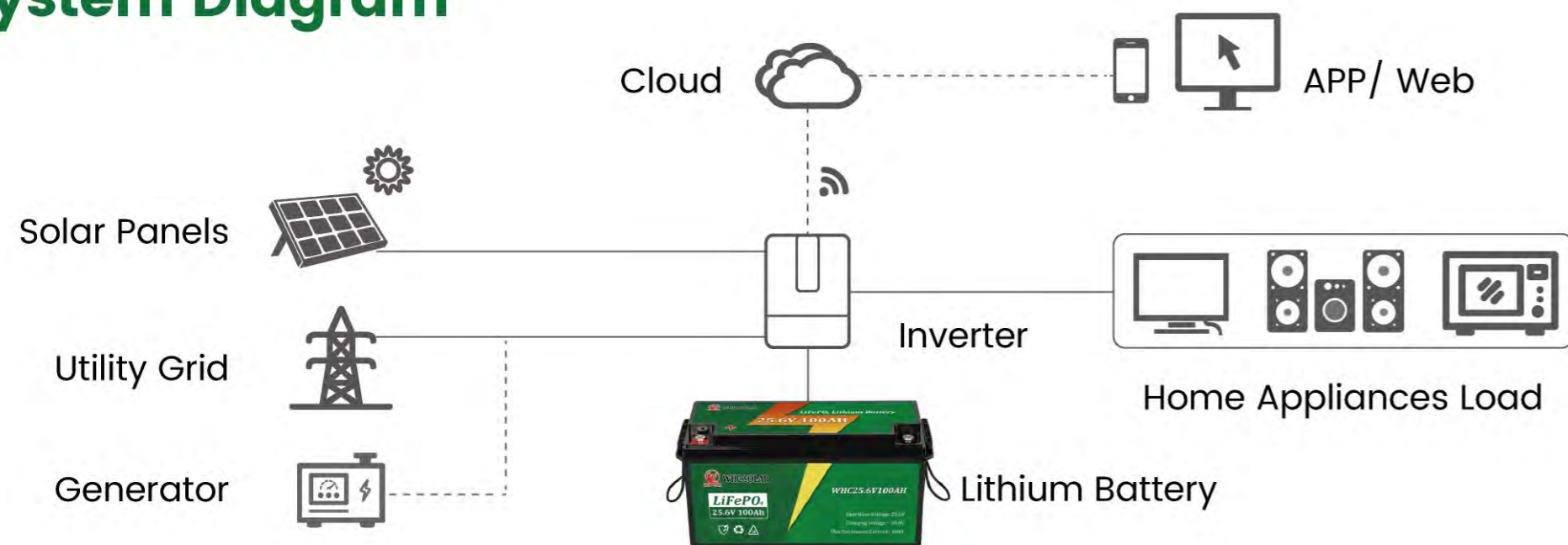
25.6V200AH / 51.2V100AH / 51.2V200AH



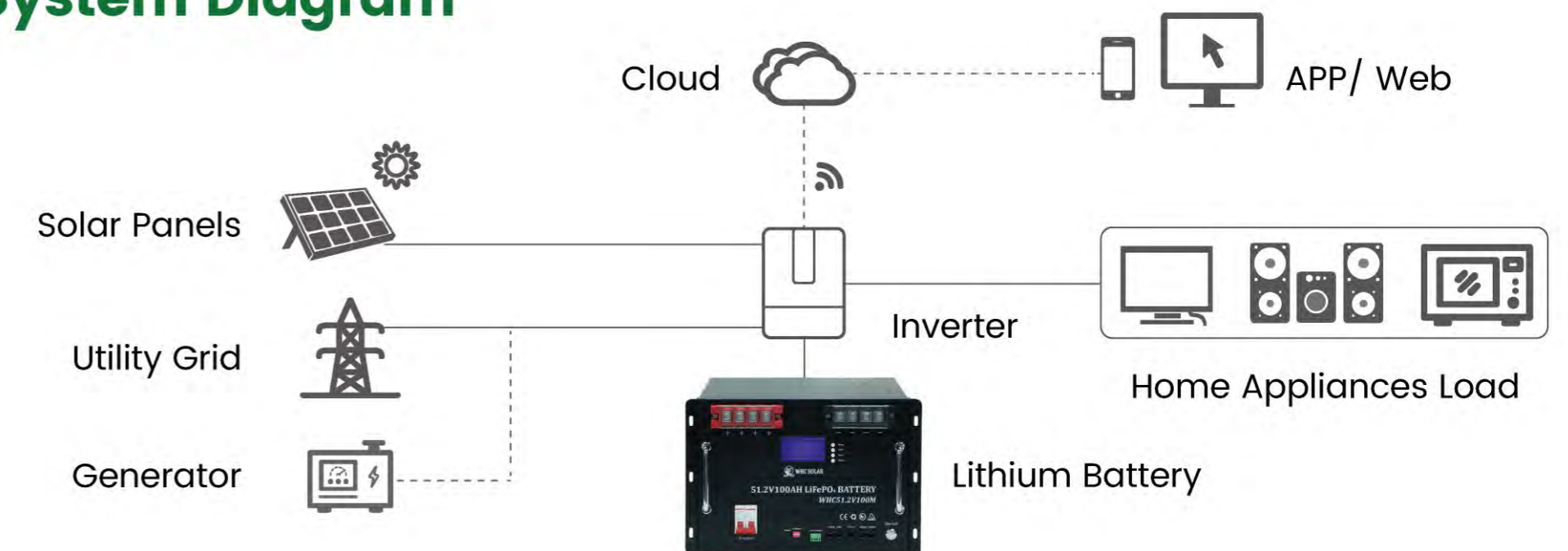
Products Features

1. Service Life: 10 Years
2. Increased Safety Performance
3. 100% High Efficient Discharge
4. High Temperature Performance
5. Intelligent BMS System, All-round Protection

System Diagram



System Diagram



Specification

MODEL	WHC12.8V100AH	WHC12.8V200AH	WHC12.8V300AH	WHC25.6V100AH
Nominal Voltage	12.8V	12.8V	12.8V	25.6V
Nominal Capacity	100Ah	200Ah	300Ah	100Ah
Energy	1280Wh	2560Wh	3840Wh	2560Wh
Internal Resistance(AC)	≤80mΩ	≤80mΩ	≤80mΩ	≤80mΩ
Max. Pulse Current	120A(3S)	170A(3S)	120A(3S)	200A(3S)
Cycle Life	2000-6000 Times			
Months Self Discharge	3%/Months			
Efficiency of Charge	≥97%			
Efficiency of Discharge	≥98%			
Display	SOC Status Indicator, LED Indicator			

Specification

MODEL	WHC25.6V200M	WHC51.2V100M	WHC51.2V200M
Nominal Voltage	25.6V	51.2V	51.2V
Nominal Capacity	200Ah	100Ah	200Ah
Energy	5120Wh	5120Wh	10240Wh
Recommended Charge Voltage	28.4V-29.2V	56.8V-58.4V	56.8V-58.4V
Cell Configuration	8S2P	16S1P	16S2P
Cycle Life	>5000 Cycles @ 0.5C 100%D.O.D		
Months Self Discharge	3%/Months		
Efficiency	99%		
Display	SOC status Indicator, LED Indicator		
Communication	RS232, RS485, CAN		

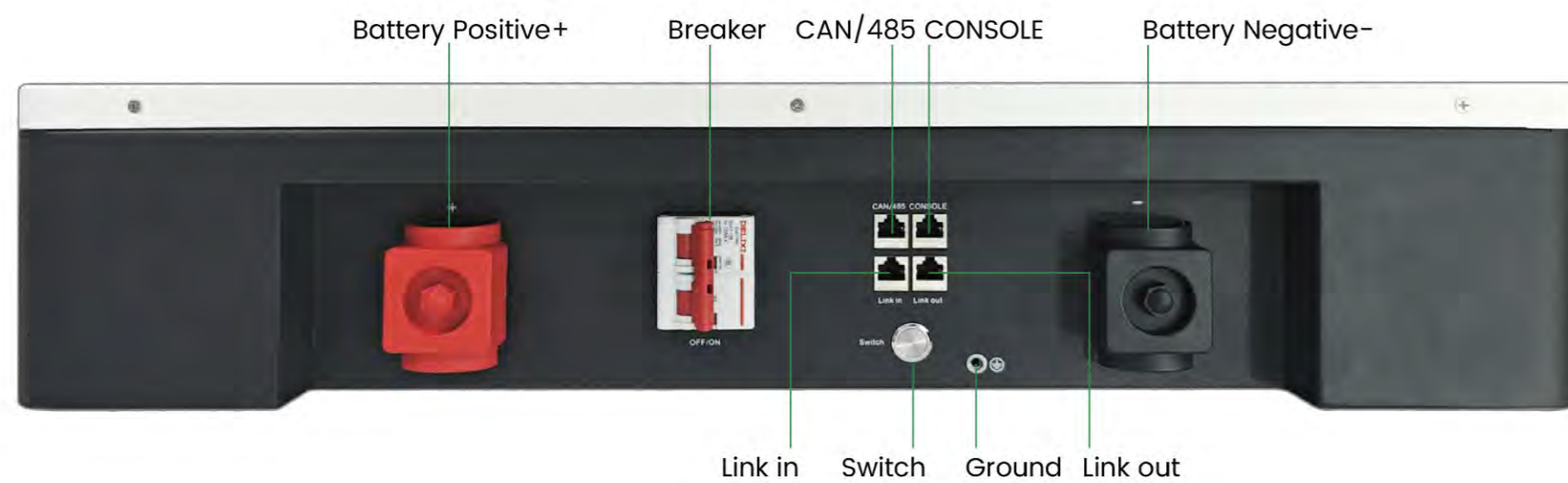
Powerwall/LiFePO4 Lithium Battery Series

5Kwh / 10Kwh / 15Kwh

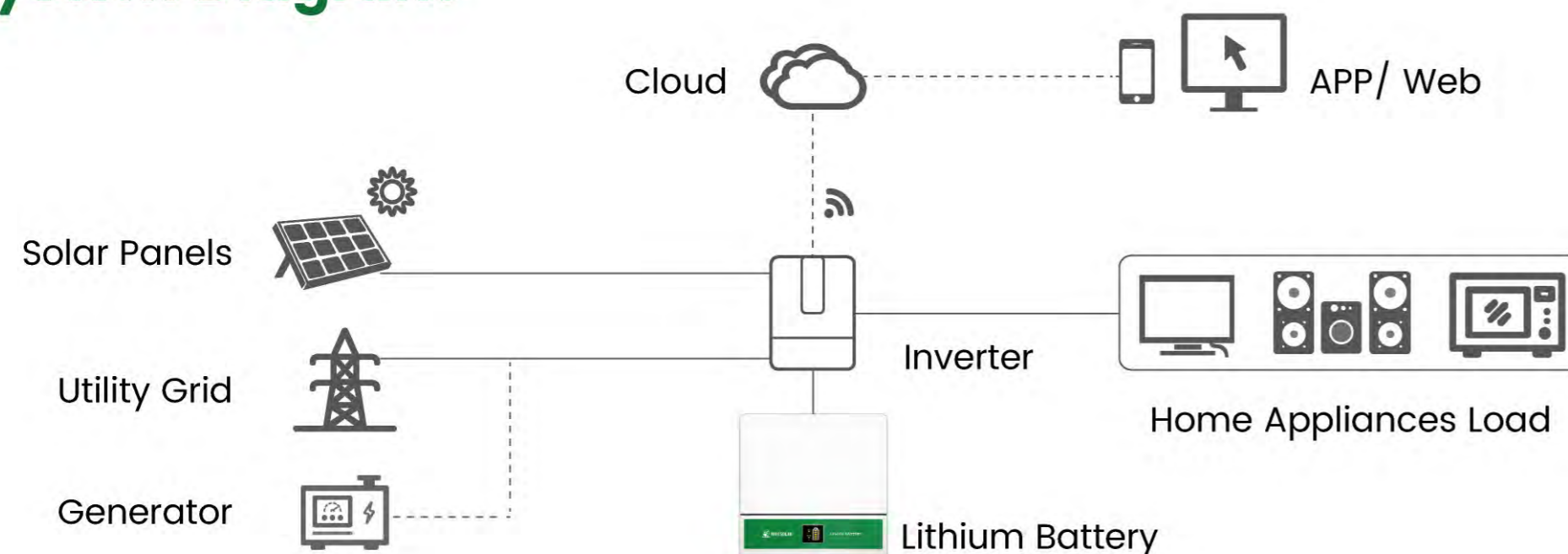
Products Features

1. Intra-system Balancing
2. Flame Retardant System to UL94V-0
3. Good High Temperature Performance
4. Deep Cycle & Long Service Life
5. Safe Lithium Iron Phosphate Technology
6. Thousands of Cycles, Under Normal Conditions
7. High Energy Density & Conversion Efficiency
8. Built-in Smart BMS Communication Protocol

Buttons & Ports



System Diagram



WHC Lithium Battery Compatible Inverter Brands



Specification

MODEL	WHC-P-25.6V200AH	WHC-P-51.2V100AH	WHC-P-51.2V200AH	WHC-P-51.2V300AH
Nominal Voltage	25.6V	51.2V		
Rated Capacity	200Ah	100Ah	200Ah	300Ah
Energy	5120Wh	5120Wh	10240Wh	15360Wh
Charging Cut-Off Voltage	28.04V	56.16V		
Discharge Cut-Off Voltage	22.4V	45.6V		
Recommend Charge/Discharge Current	100A	100A	100A	100A
Maximum Continuous Charge/discharge Current	200A	100A	200A	200A
Instantaneous Discharge Current	350A/3ms	350A/3ms	400A/3s	400A/3s
Charge Temperature	0-55°C			
Discharge Temperature	-20-60			
Storage Environment(50% State Of C charge)	20°C-45°C In Three Months; 25±3°C Over Three Months; Humidity: 65±20%RH			
Environment	Indoor			
Installation	Wallmounted			
Cell Technology	Lithium Iron Phosphate(LiFePO4)			
Cooling	Natural Convection			
Protection Rating	IP21			
Dimension And Weight				
Dimension	500*494*140mm	500*494*140mm	442*820*142mm	660*820*140mm
Weight	45.6KG	42.45KG	78.85KG	120.77KG
Communication Instruction				
Communication	RS232, CAN, RS485			

215KWH ESS Lithium Battery

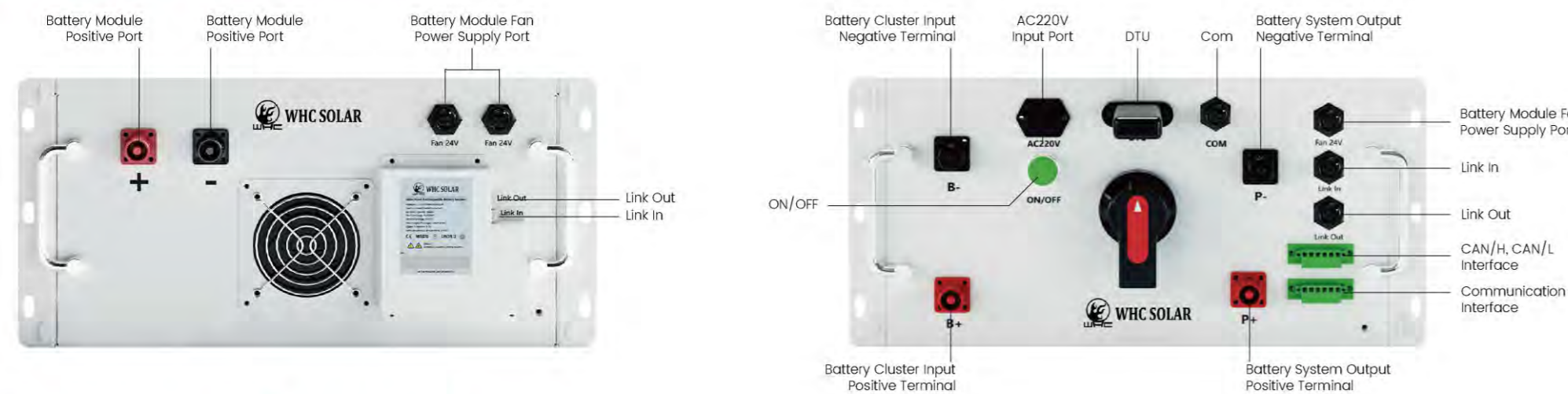
51.2V 280AH / 15PCS



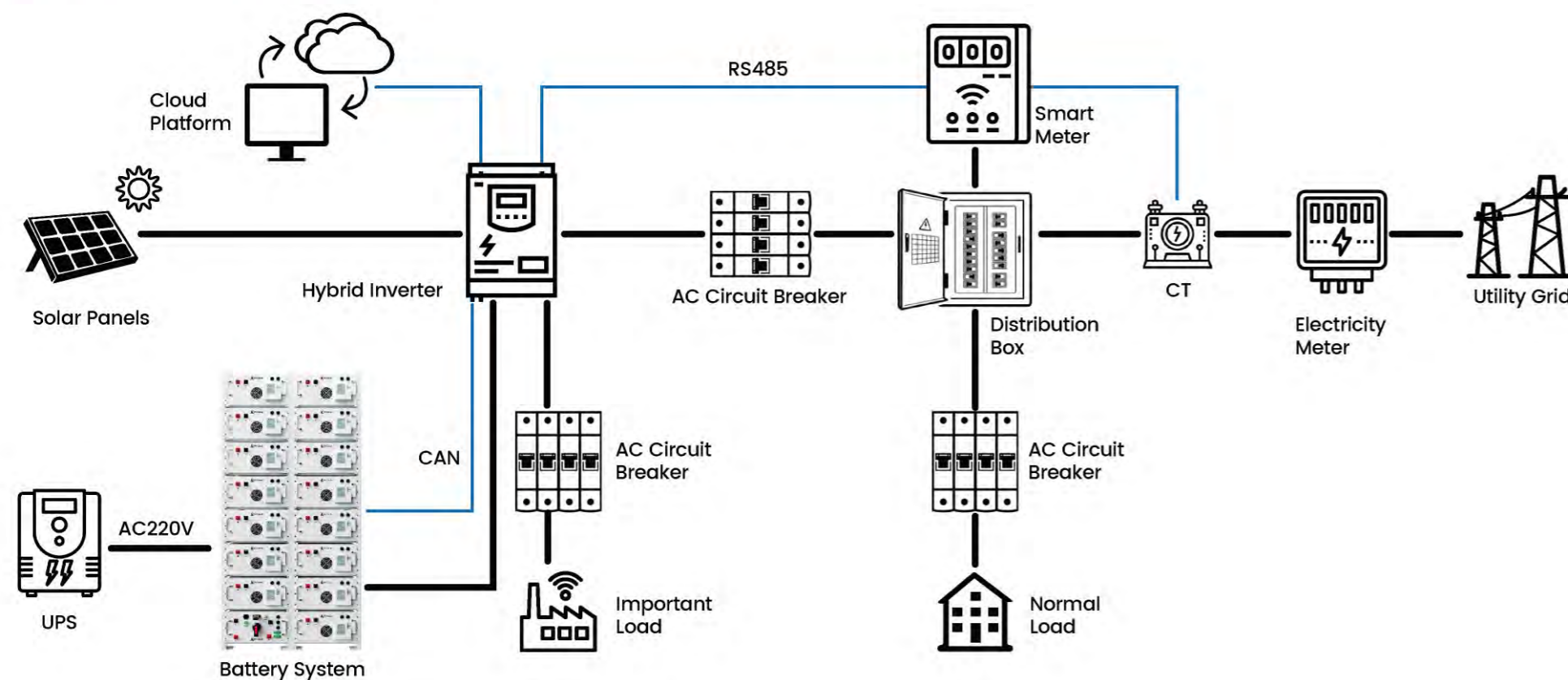
Products Features

1. Dynamic Capacity Increase Of Transformer In Station Area
2. The Peak Valley Arbitrage
3. Emergency Power Supply Guarantee
4. Three-Phase Unbalance Treatment
5. Reactive Power Compensation
6. Thousands Of Cycles, Under Normal Conditions
7. High Energy Density & Conversion Efficiency
8. Built-in Smart BMS Communication Protocol

Buttons & Ports



System Diagram



Specification

MODEL	WHC-ESS 215KWH
Rated Energy	215.04KWH
Cell Type	LFP (LiFePO4)
Pack Capacity	14.336KWH
Pack Number	15
Rated Voltage	768V
Working Voltage Range	672V-876V
Efficiency (@0.5C-rate)	96%
Max.Charging/Discharging Current	250A
Cycle Times	>6000 times (25C, 0.5C, 90%DOD, 80%EOL)
Communication	LAN/CAN/RS485
IP Level	P20
Working Temp.Range	10°C±40°C
Working Humidity Range	5-95% (No Condensation)
Max.Altitude	3000m
Fire Fighting	PACK Level Aerosol
MODEL	WHC-BOX1000V250A
Normal Operating Voltage	Rated Voltage: 220-265Vac Adjustment Range: 210-284Vac
Input Frequency	Rated Frequency: 50/60Hz Adjustable Frequency: 47-63HZ
Operating Temperature	-20~+60°C
Storage Temperature	-40~+125°C
Relative Humidity	5-95%RH
Atmospheric Pressure	80-110kPa
Altitude	0-4000m
Measurement Range	0-1000V
Measurement Resolution	0.1V
Measurement Accuracy	Total Pressure <1000V (±1% of Full Scale), Total Pressure ≥1000V (±0.5% of Full Scale)
Measurement Rate	Refresh 100ms
Electrical Isolation	4149vdc/2934Vac (8mm)
Measurement Range	±500A
Measurement Resolution	0.1A
Module Circuit Measurement Accuracy	±500A, Accuracy ±1%FS
Measurement Rate	200ms
Electrical Isolation	4149vdc/2934vac(8mm)



HVM SERIES OFF GRID HYBRID SOLAR INVERTER

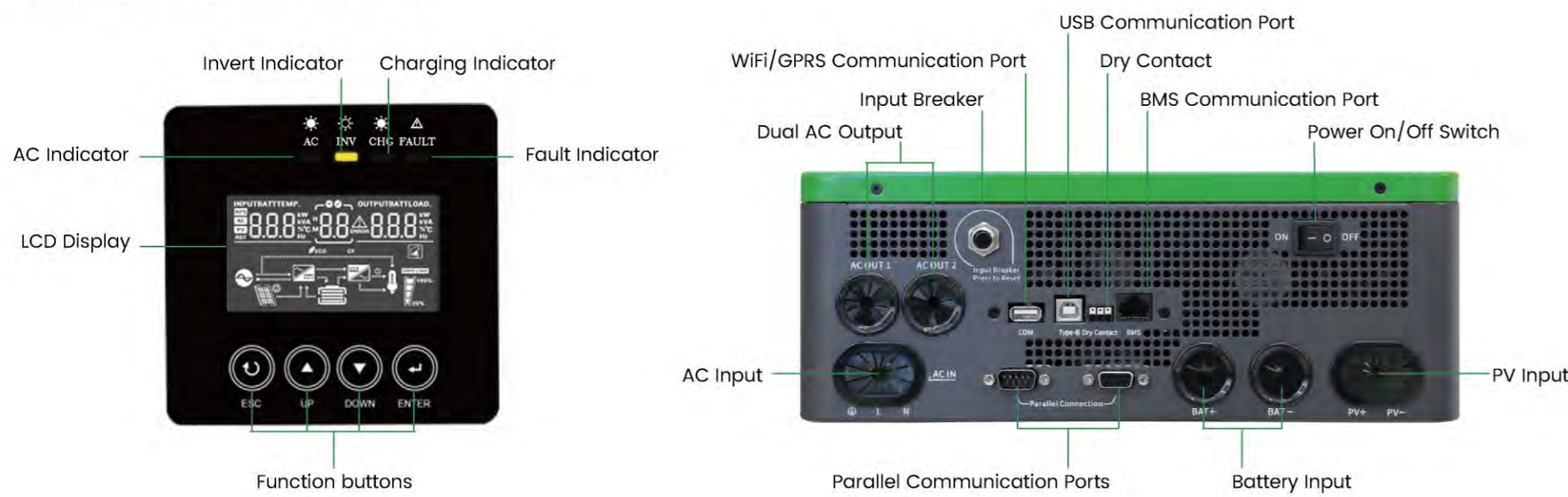
1.2KW / 3.6KW / 5KW / 6.2KW / 11KW



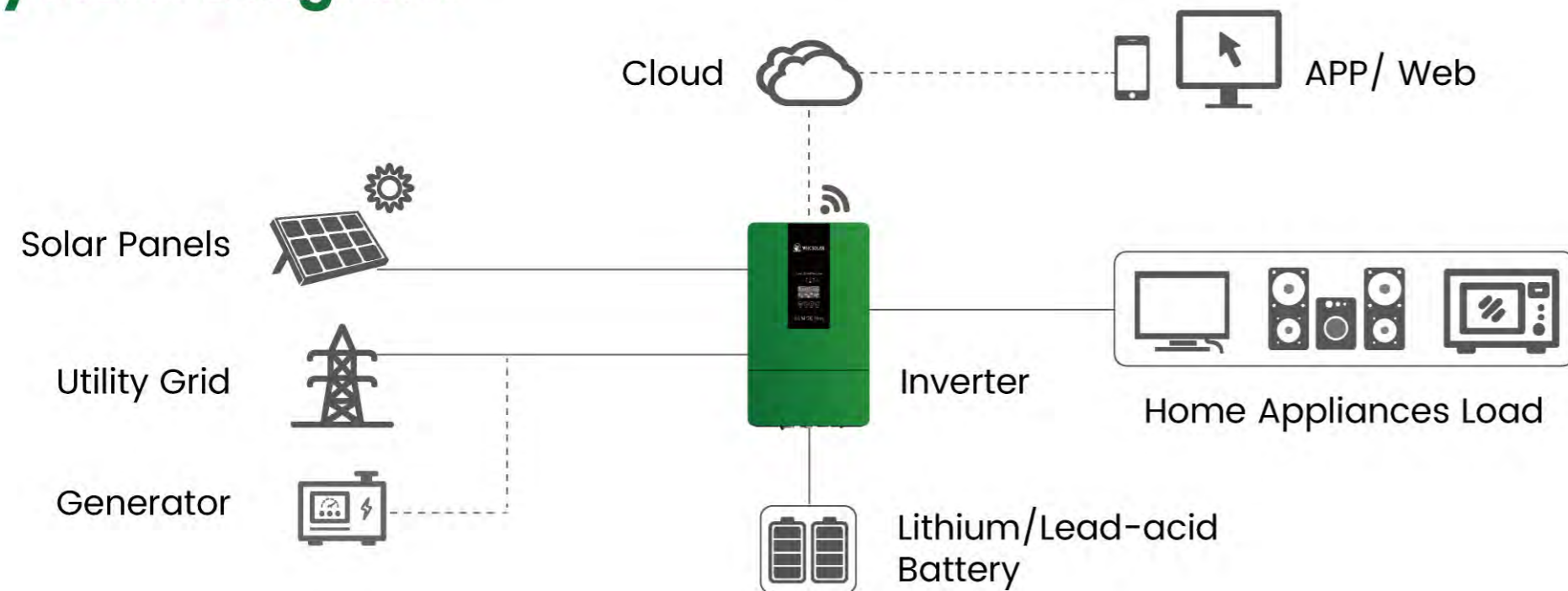
Products Features

1. Pure Sine Wave Solar Inverter
2. High PV Input Voltage Range
3. 9 Inverters In Parallel
4. Built-In MPPT Solar Controller
5. Optimize Battery Performance, Extend Lifecycle
6. Inverter Running Without Battery
7. WiFi/GPRS Remote Monitoring
8. RS485 Communication For BMS(Optional)
9. Self Consumption And Feed-in To The Grid(Optional), Detachable LCD(Optional)

Buttons & Ports



System Diagram




Specification

MODEL	HVM 1.2K Plus	HVM 3.6K Plus	HVM 5K Plus	HVM-6.2KW	HVM-11KW
AC Input					
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L+N+PE			230	
Voltage Range (VAC)	90-280±3 (normal mode); 170-280±3 (UPS mode)				
Frequency (Hz)	50 / 60 (Auto Adaptive)				
AC Output					
Rated Capacity (kW)	1.2	3.6	5	6.2	11
Surge Power (kVA)	2.4	5.7	10	12.4	22
Voltage (VAC)	208 / 220 / 230 / 240			220/230±5%	220/230/240±5%
Power Factor (PF)	1			0.6-1(Inductive Or Capacitive)	
Frequency	50 / 60Hz±0.1%				
Switch Time (ms)	10 (Normal Mode) / 10 (UPS Mode)			20 (Normal Mode) / 10 (UPS Mode)	
Wave Form	Pure Sine Wave				
Overload Capacity (Battery Mode)	60s@102%-110% Load; 10s@110%-130% Load; 3s@130%-150% Load; 0.2s@>150% Load			5s@>=140%Load; 10s@110%-140%Load	
Max. Efficiency (Battery Mode)	90%@12VDC	92.7%@24VDC	93%@48VDC	93%@48VDC	94%@48VDC
Parallel Quantity	NA	NA	9	NA	NA
Charger (PV / AC)					
Solar Charger Type	MPPT				
MPPT Range@Operating Voltage (VDC)	18-100	40-450	120-450	60-500	60-500
Max PV Open Circuit Voltage (VDC)	125	500	500	500	500
Max PV Charge Current (A)	60	100	80	120	160
Max AC Charge Current (A)	60	100	80	80	120
Max. Charge Current (PV + AC)(A)	120	100	80	120	160
Battery					
Rated Voltage (VDC)	12	24	48	48	48
Floating Charge Voltage (VDC)	13.8	27	54	54	54
Overcharge Protection (VDC)	15	30.5	61	61	63
Battery Type	Lithium and Lead-acid				
Interface					
HMI	LCD				
Interface	RS485 / RS232	RS485 / RS232 / USB / Dry Contact		RS485 / RS232	RS485 / RS232 / Dry Contact
Monitoring	NA	WiFi (Optional)			
General Data					
Ingress Protection	IP21				
Operating Temperature	-10°C-50°C				
Relative Humidity	5%-95%(Non-Condensing)				
Storage Temperature	-15°C-60°C				
Net Weight (kg)	3.6	6.4	9.5	9	15
Dimensions (W*H*D)	347*236*91mm	490*306*115mm	510*306*115mm	438*295*105mm	540*415*122mm

1-8KW Low Frequency Inverter

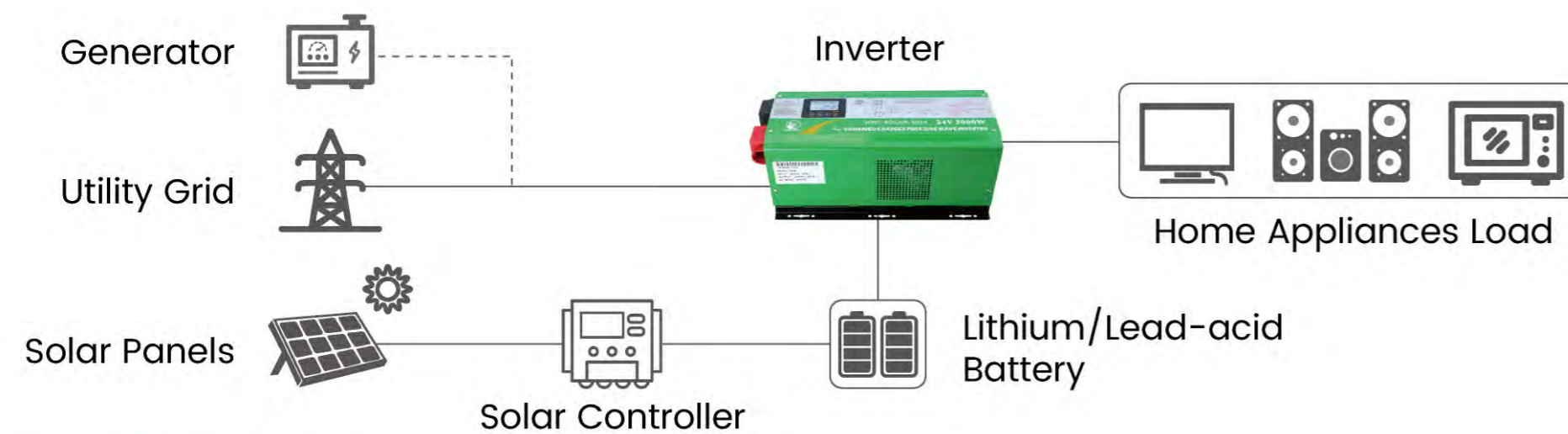
1000W / 1500W / 2000W / 3000W / 4000W / 5000W / 6000W / 8000W



Products Features

1. Double CPU Intelligent Control Technology
2. Charge Current/Battery Type Could Be Set
3. Intelligent Fan Control, Safe And Reliable
4. Pure Sine Wave AC Output, And Be Adapt To All Kinds Of Loads
5. Output Overload, Short Circuit Protection, Various Of Automatic Protection

System Diagram



Specification

MODEL	WHC1000W/1500W/2000W	WHC3000W/4000W/5000W	WHC6000W/8000W
Rated Voltage	12VDC/24VDC/48VDC	24VDC/48VDC	48VDC/96VDC
Charge Current	30A (default) -C0-C6can Be Set		
DC Input	85-138VAC/170-275VAC		
AC Output	110VAC/220VAC; ±5% (Inverter Mode)		
Operating Ambient Temperature	0-40°C		
Storage Ambient Temperature	-15-50°C		
Output Waveform	Pure Sine Wave		
Switching Time	<10ms (Traditional Load)		
Efficiency	>85% (80% Resistance Load)		
Overload	110-120%/30S; >160%/300ms		
Protection	Battery Over Voltage/Low Voltage, Overload, Short Circuit Protection, Overtemperature Protection, Etc.		

ST-300W Socket Inverter

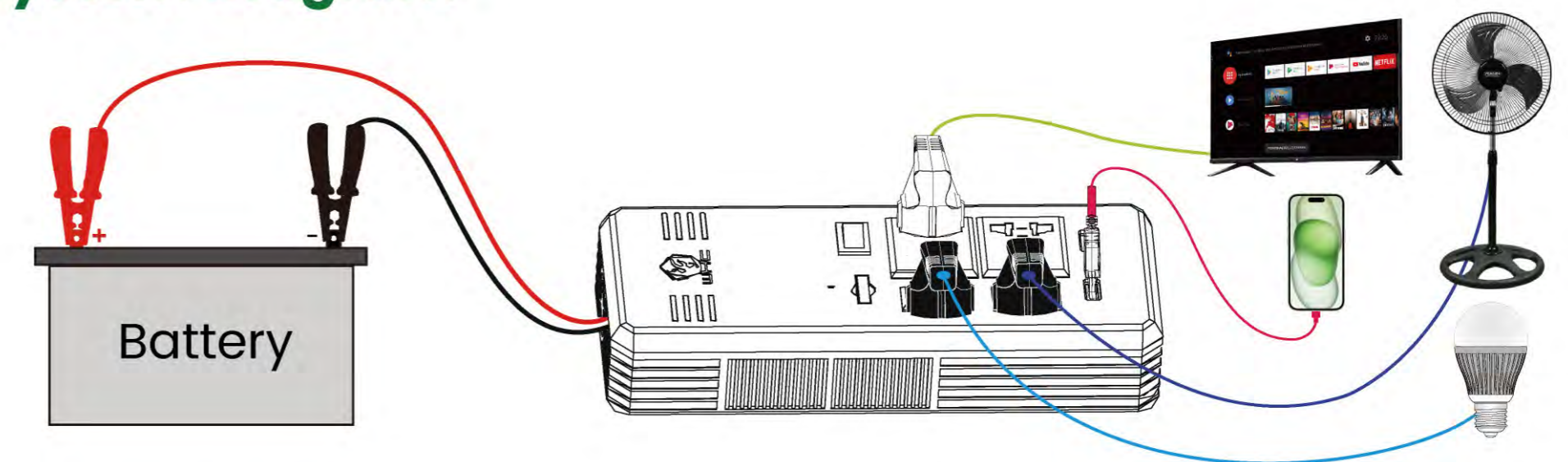
300W Power Inverter



Products Features

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

System Diagram



Specification

MODEL	ST-300W
Rated Power	300W
Peak Power	600W
Output Voltage	220V
Output Frequency	50HZ±3HZ
Output Waveform	Power Inverter
Battery Voltage	12V
Voltage Range	10.5V-15V
DC Current	30A
Efficiency	≥85%
Battery Type	Lead-Acid Battery
Protection	Battery Over Voltage/Low Voltage, Overload, Short Circuit Protection, Overtemperature Protection, Etc.



PWM Series Solar Charge Controller

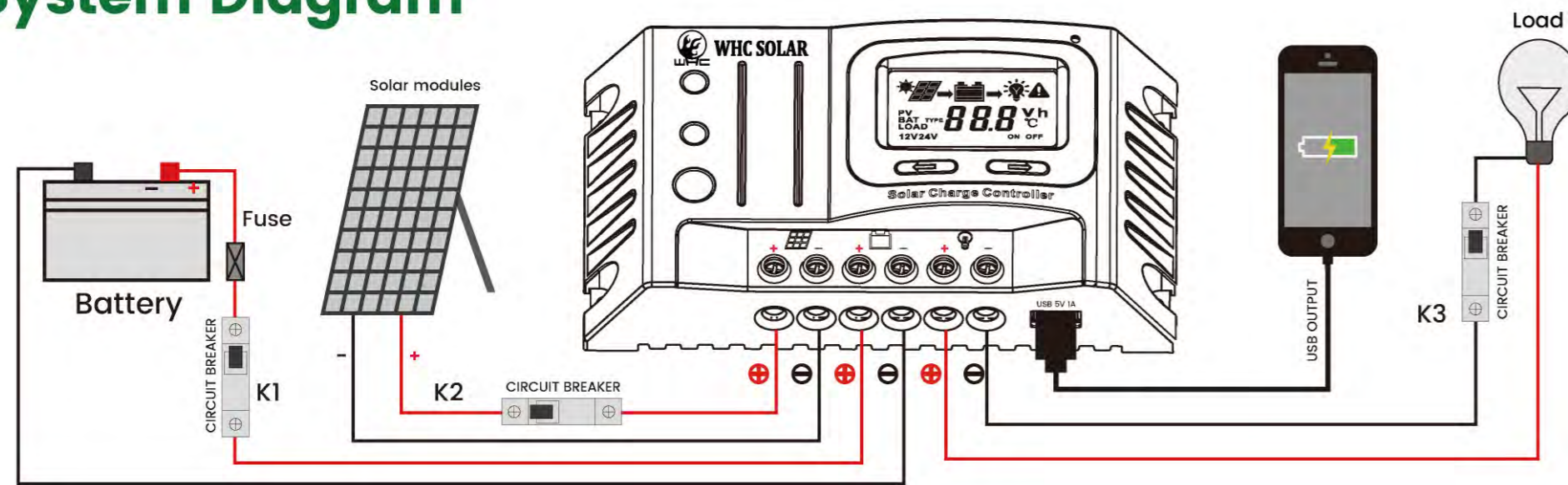
12V/24V/48V / 10A/20A/30A/40A/50A/60A



Products Features

1. 3 Stages PWM Charging: Bulk, Boost, Float
2. Reverse Connection of battery Protection
3. Lightning Protection, Overload Protection
4. Battery Low Voltage Protection (LVD)
5. Short Circuit & Battery Over Voltage Protection
6. Short Circuit & Reverse Connected Protection (Solar Panel)
7. 32bits CPU, Sampling Precision Higher, Operation Speed faster

System Diagram



Specification

MODEL	WHC2410CC	WHC2420CC	WHC2430CC	WHC2440CC	WHC2450CC	WHC2460CC	WHC4850CC	WHC4860CC
Max.Charging Current	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°C~+55°C							
Terminal Scale	10mm ²			16mm ²		25mm ²		
Sizes (mm)	190*108*41.5			200*106*41		200*127*53		
CTN Sizes (mm)	40PCS			30PCS		24PCS		
CTN Sizes (mm)	540*405*235			448*390*283		470*434*305		
Protection	Reverse Connection Protection, Load Over Current Protection, Controller Over Temperature Protection.							

60/80/100A MPPT Series Solar Charge Controller

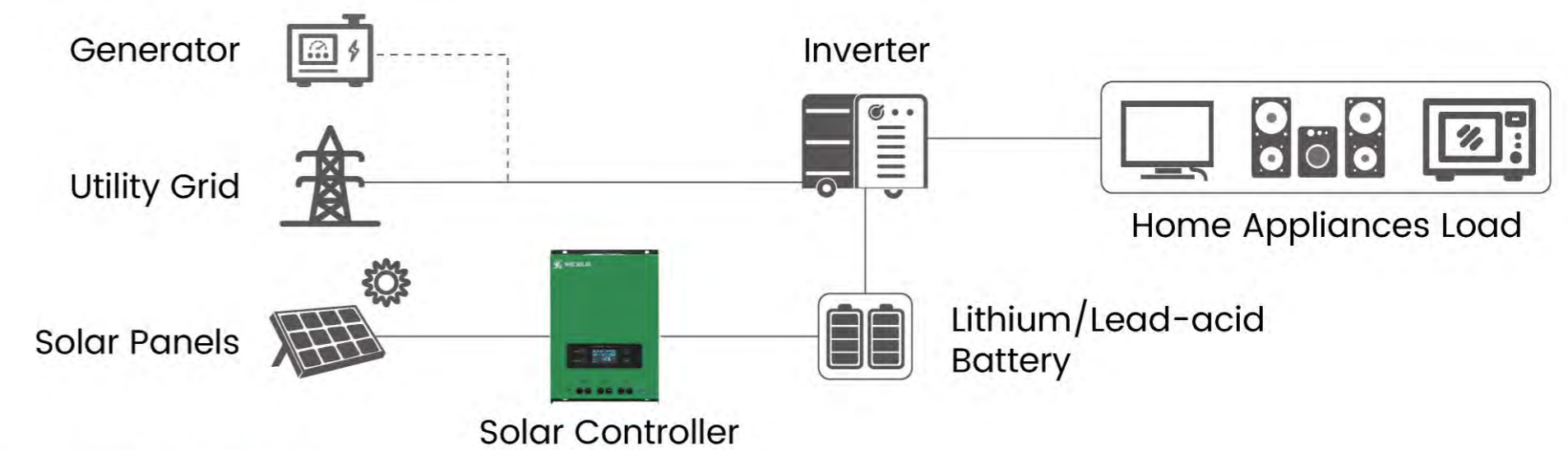
MPPTWHC4860F / MPPTWHC4880F / MPPTWHC48100F



Products Features

1. Lifespan Up To 10 Years
2. 12V 24V 48V Automatic Transfer
3. MPPT Efficiency >99%,
4. Peak Conversion Efficiency >98%
5. Protection: Overload, Short Circuit, High Voltage, High temperature protection

System Diagram



Specification

MODEL	MPPT/WHC4860F	MPPT/WHC4880F	MPPT/WHC48100F
Solar System Voltage	12V/24V/48V Auto		
Max.Pv Open Circuit Voltage	150VDC	250VDC	250VDC
Max.Charging Current	60A	80A	100A
Rated Load Current	30A	50A	50A
MPPT Efficiency	>99.5%		
Charging Algorithm	3-stage: Bulk, Absorption, Float		
Storage Temperature	-40°C~+70°C		
Cooling Way	Fan Cooling		
Battery Type	Lead-Acid Battery/Li-Ion Battery		
Charging Method	Lead-Acid Battery: Fast Charge, Equal Charge, Floating Charge; Lithium Battery: Fast Charge, Equal Charge		
Protection	Input And Output Over-Voltage Protection, Anti-Reverse Connection Protection, Battery Drop Protection, Etc.		

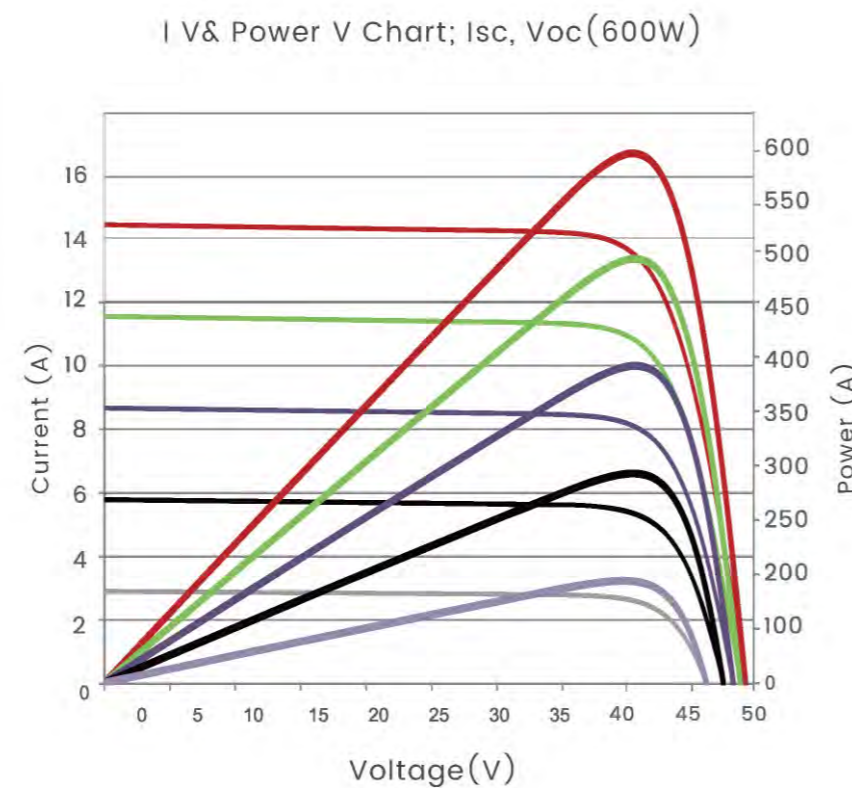
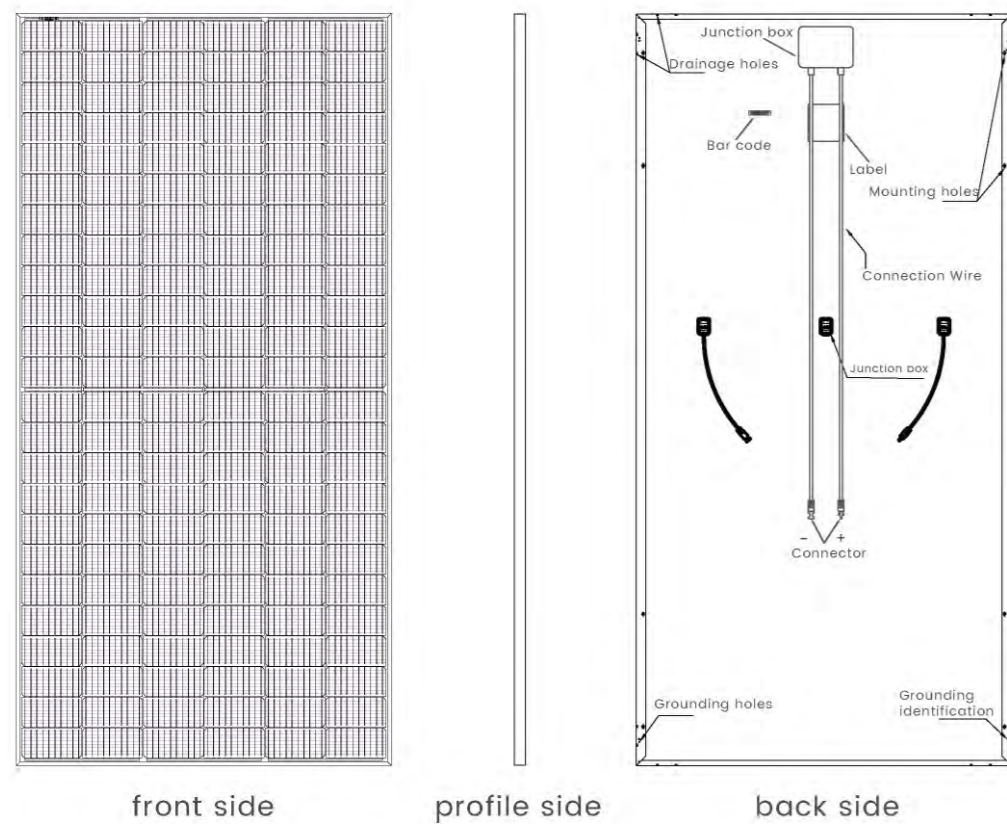
Mono Solar Panel

100W / 160W / 200W / 250W / 300W / 450W / 550W / 600W

Products Features

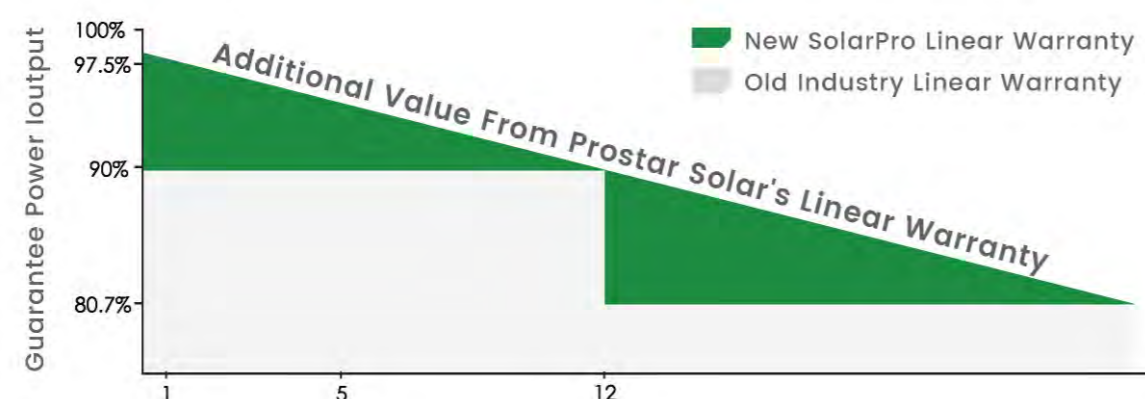
1. PERC 182 Cells
2. Multi Busbar Technology
3. Higher Output Power
4. Aesthetic Appearance
5. Heavy-Duty Anodized Frames
6. Outstanding Low-Light Performance
7. High Transparent Low-Iron, Tempered Glass

Assembly Drawing & Chart



Leading Linear Warranty

12 Years Material Craft Warranty
25 Years Life Time



Specification

MODEL	WHC-100M-30	WHC-160M-32	WHC-200M-36	WHC-250M-64
Power	100W	160W	200W	250W
Max. Circuit Volt(Vmp)	18V	18.4V	22V	36.8V
Open Circuit Volt(voc)	21.5V	21.55V	26.6V	43V
Max. Circuit Current(Imp)	5.56A	8.89A	8.89A	6.94A
Open Circuit Current(Isc)	9.05A	9.45A	9.42A	7.35A
Open Circuit Current(°C)	-40°C~+85°C			
Max. System Voltage	1000VDC (IEC)			
Max. Rated Fuse Current	20A			
Output Power Tolerance	0~+3%			
Temperature Index In Max.Power	-0.37%/°C			
Temperature Index In Open Circuit Volt	-0.28%/°C			
Temperature Index In Open Circuit Current	0.048%/°C			
Nominal Battery Work Temperature(Nect)	45±2°C			
N.W(KG)	6.2KG	7.75KG	10.5KG	12.5KG
Product Size(mm)	1000*580*30mm	1040*760*30mm	1470*670*30mm	1530*760*30mm

MODEL	WHC-300M-60	WHC-450M-120	WHC-550M-144	WHC-600M-144
Power	300W	450W	550W	600W
Max. Circuit Volt(Vmp)	36V	34.67V	41.97V	42.61V
Open Circuit Volt(voc)	41V	41.25V	49.95V	51.47V
Max. Circuit Current(Imp)	8.33A	12.89A	13.11A	13.62A
Open Circuit Current(Isc)	9.16A	13.89A	14.05A	14.37A
Open Circuit Current(°C)	-40°C~+85°C			
Max. System Voltage	1000VDC (IEC)	1500VDC (IEC)	1500VDC (IEC)	1500VDC (IEC)
Max. Rated Fuse Current	20A			25A
Output Power Tolerance	0~+3%			0~+6W
Temperature Index In Max.Power	-0.37%/°C			-0.35%/°C
Temperature Index In Open Circuit Volt	-0.28%/°C			-0.284%/°C
Temperature Index In Open Circuit Current	0.048%/°C			0.050%/°C
Nominal Battery Work Temperature(Nect)	45±2°C			45±2°C
N.W(KG)	14.6KG	23KG	27.3KG	33KG
Product Size(mm)	1680*880*30	1909*1134*30	2279*1134*30	2279*1134*30

STC: ☀️ Light Intensity 1000W/m² 🔋 Battery Temperature:25°C ☁️ Atmosphere Quality=15

NOCT: ☀️ Light Intensity 800W/m² 🔋 Battery Temperature:20°C ☁️ Atmosphere Quality=15 🌀 Wind Velocity 1m/s

PB Series Solar Street Light

PB8150 / PB8180 / PB9120



Products Features

1. Built-in A+ 6000 Cycles LiFePO4 Lithium Battery, Can Work 3 Days
2. Bridgelux 5054/3030 LED Chips, Improving the Brightness by 30%
3. All New Materials, Long Lifespan, Not Easy To Corrode
4. Automatically Day off And Night On More Convenient To Use

Product Model



PB8150

PB8180

PB9120

Specification

MODEL	PB8150	PB8180	PB9120
Solar Panel	Mono 30W	Mono 50W	Mono 85W
Light Source	50W	80W	120W
LiFePO4 Battery	25000mah	50000mah	80000mah
Luminous Flux	220Lm/W	220Lm/W	220Lm/W
Working Time	12Hours		15Hours
Solar Charging Time	6-8H		
Features	Automatically On At Night And Off In Daytime		
LED Chips Brand	3030 America Bridgelux Chips		5054 America Bridgelux Chips

Sky Series Solar Street Light

30W / 40W / 50W / 60W / 80W / 100W / 120W



Products Features

1. Easy installation, Maintenance free, Auto on/off
2. LED Module Adjustable Angle, Suitable For Different Terrain Roads
3. Whole Lamp Adopt High-End Aluminum Alloy Material
4. Super-Big Battery Box, The Battery Inside Led Lamp
5. View Angle Is 140°, Lighting More Area

Product Model



Sky 30W/40W

Sky 50W/60W

Sky 80W

Sky 100W/120W

Specification

MODEL	Sky 30W	Sky 40W	Sky 50W	Sky 60W	Sky 80W	Sky 100W	Sky 120W
Solar Panel	Mono 50W	Mono 60W	Mono 70W	Mono 80W	Mono 100W	Mono 150W	Mono 200W
Light Source	30W	40W	50W	60W	80W	100W	120W
LiFePO4 Battery	12.8V 30AH	12.8V 36AH	12.8V 48AH	12.8V 54AH	12.8V 66AH	12.8V 84AH	12.8V 100AH
Luminous Flux	220Lm/W						
Features	LED Module Adjustable Angle, Suitable For Different Terrain Roads						
Material	High Class Aluminum						
Cloudy/Rainy days	5 -7 Cloudy/Rainy Days						
LED Chips Brand	3030 America Bridgelux Chips						

Solar Flood Light

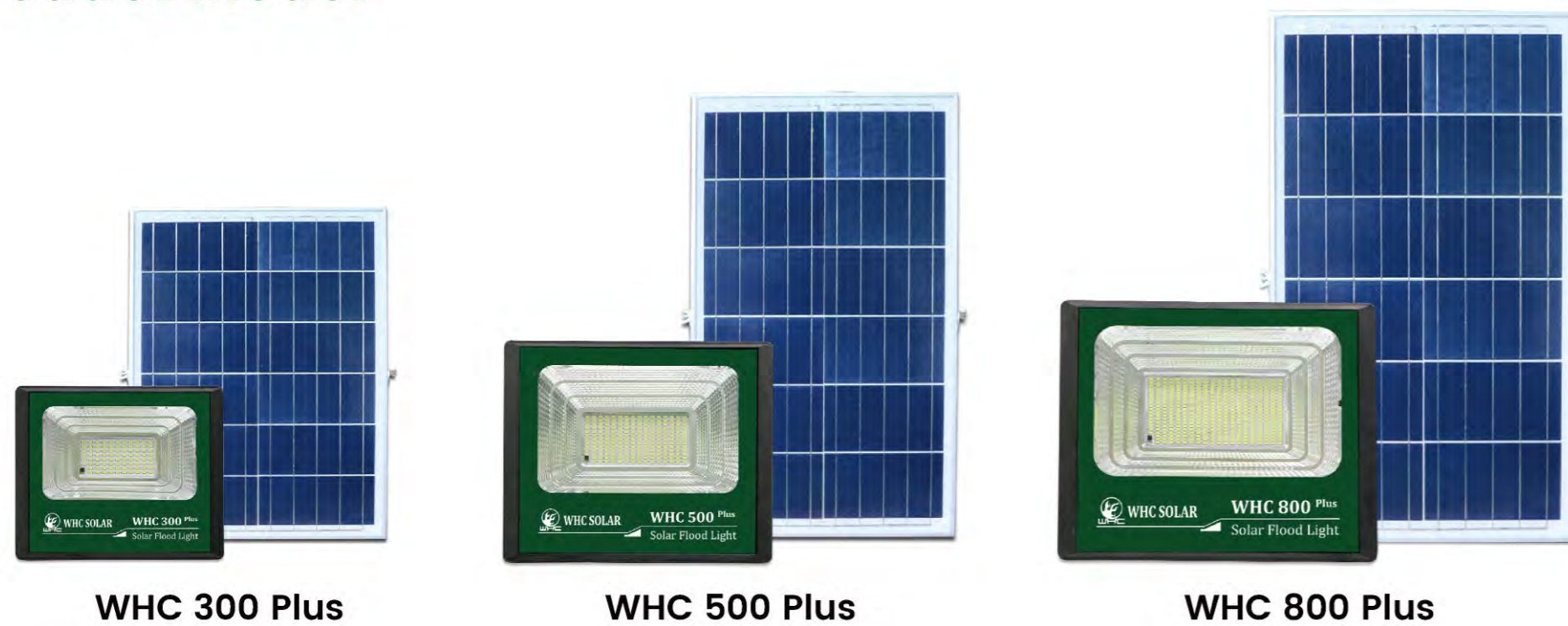
60W / 150W / 200W



Products Features

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

Product Model




Specification

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	10pcs/ctn	10pcs/ctn
Panel Ctn	10pcs/ctn	10pcs/ctn	10pcs/ctn
Charging Time	4-6H		
Working Time	12-24hours		
Color Temperature	Nature White 6000-6500K		

COBRA Series All in One Solar Street Light

60W / 80W / 100W / 120W / 150W / 200W



Products Features

1. High Brightness Led Chips
2. Fully Automatic And Integrated
3. Deep Cycle Long Life LifePO4 Battery
4. High Efficiency Mono Solar Panel

Product Model



Specification

MODEL	COBRA 60W	COBRA 80W	COBRA 100W	COBRA 120W	COBRA 150W	COBRA 200W
Solar Panel	4.5V 50W	5.5V 60W	5.5V 70W	5.5V 80W	5.5V 90W	6V 100W
Light Source	60W	80W	100W	120W	150W	200W
LiFePO4 Battery	3.2V 50AH	3.2V 60AH	3.2V 65AH	3.2V 70AH	3.2V 80AH	3.2V 100AH
Lamp Bead	Philips 5054SMD 6PCS*6	Philips 5054SMD 6PCS*8	Philips 5054SMD 6PCS*10	Philips 5054SMD 6PCS*12	Philips 5054SMD 6PCS*14	Philips 5054SMD 6PCS*16
Installation Height	4-6m	4-6m	4-6m	5-7m	5-7m	6-8m
Color temperature	3000K-6000K					
Charging Time	6-8h					
Luminous Flux	200lm/w					

FLY Series All in One Solar Street Light

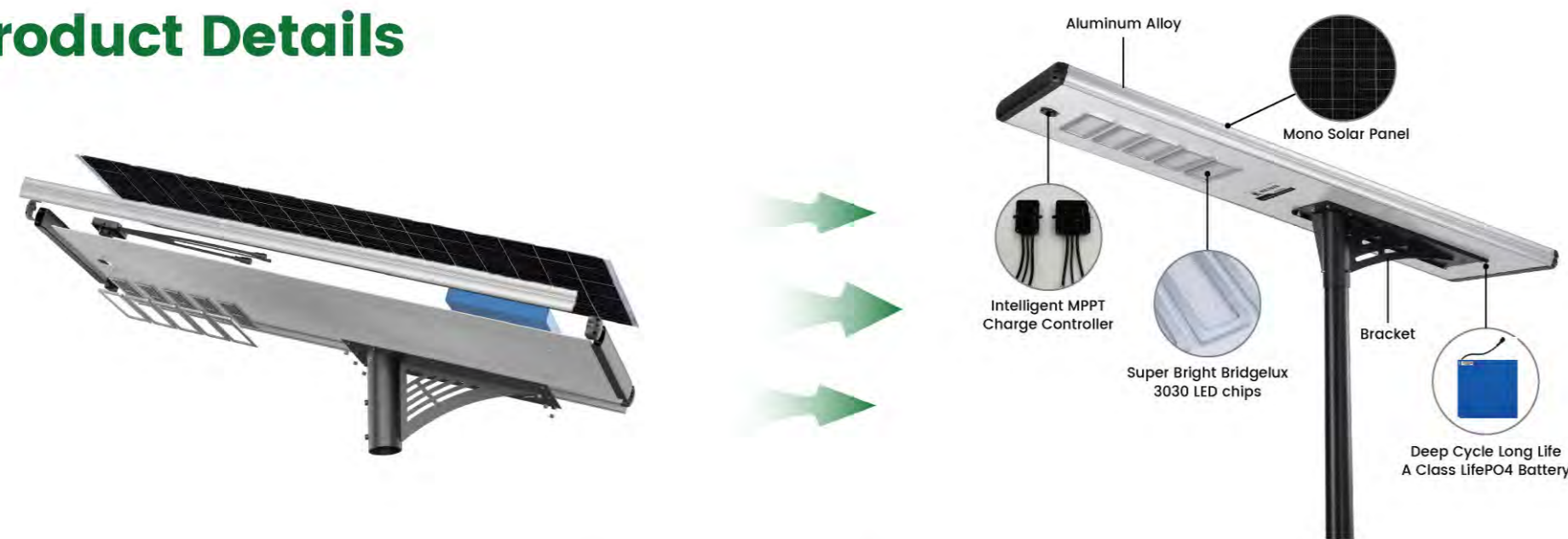
40W / 60W / 80W / 100W / 120W / 150W / 200W / 250W / 300W / 400W



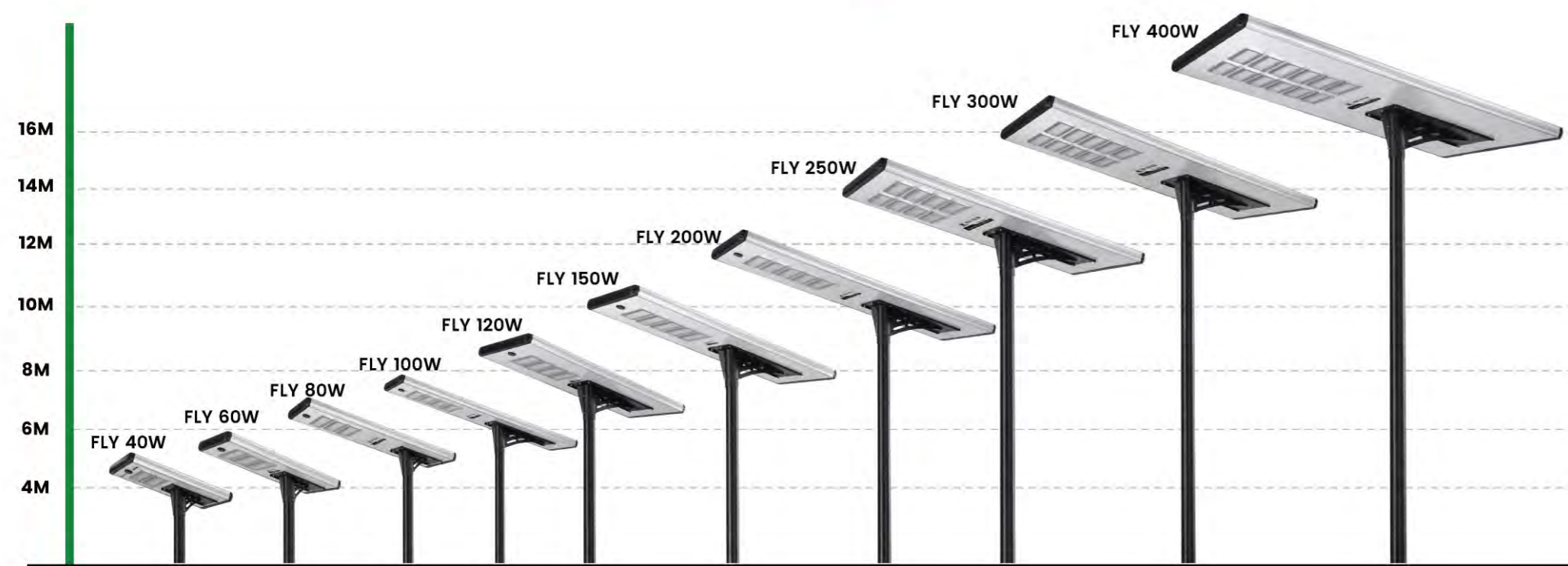
Products Features

1. Maximum Power Up To 400W
2. High Lumen LED Bridgelux 3030 LED Chips
3. Deep Cycle Long Life LifePO4 Battery
4. High Efficiency Mono Solar Panel
5. Intelligent MPPT Charge Controller

Product Details



Recommended Installation Height



Specification

MODEL	FLY 40W	FLY 60W	FLY 80W	FLY 100W	FLY 120W
Real Set Up Power	40W	60W	80W	100W	120W
Lumen	6800LM	10200LM	13600LM	17000LM	20400LM
Color Temperature	2700K-6500K Can Be Customized				
Material	High-End Aluminum Alloy				
Battery	12.8V 15AH	12.8V 30AH	12.8V 45AH	12.8V 45AH	12.8V 60AH
Solar Panel	18V 50W	18V 65W	18V 90W	18V 120W	18V 160W
LED	Bridgelux 3030				
Waterproof IP Grade	IP65				
Charge Time	5-6 Hours (Bright Sunshine)				
Discharge Time	Lighting 12 Hours/Day, Support 5-7 Rainy And Cloudy Days (With Motion Sensor)				
Installation Diameter	70-76mm				
Product Size(mm)	785*410*60	940*410*60	1220*410*60	1675*410*60	1445*600*60
Product Weight(G.W)	13.2KG	15.5KG	18.4KG	24.2KG	29.5KG
Working Temperature	-25°C~+65°C				
Certificate	CE ROHS				
Remote Control	Yes, Provide 1Pc Per Bulk Order				

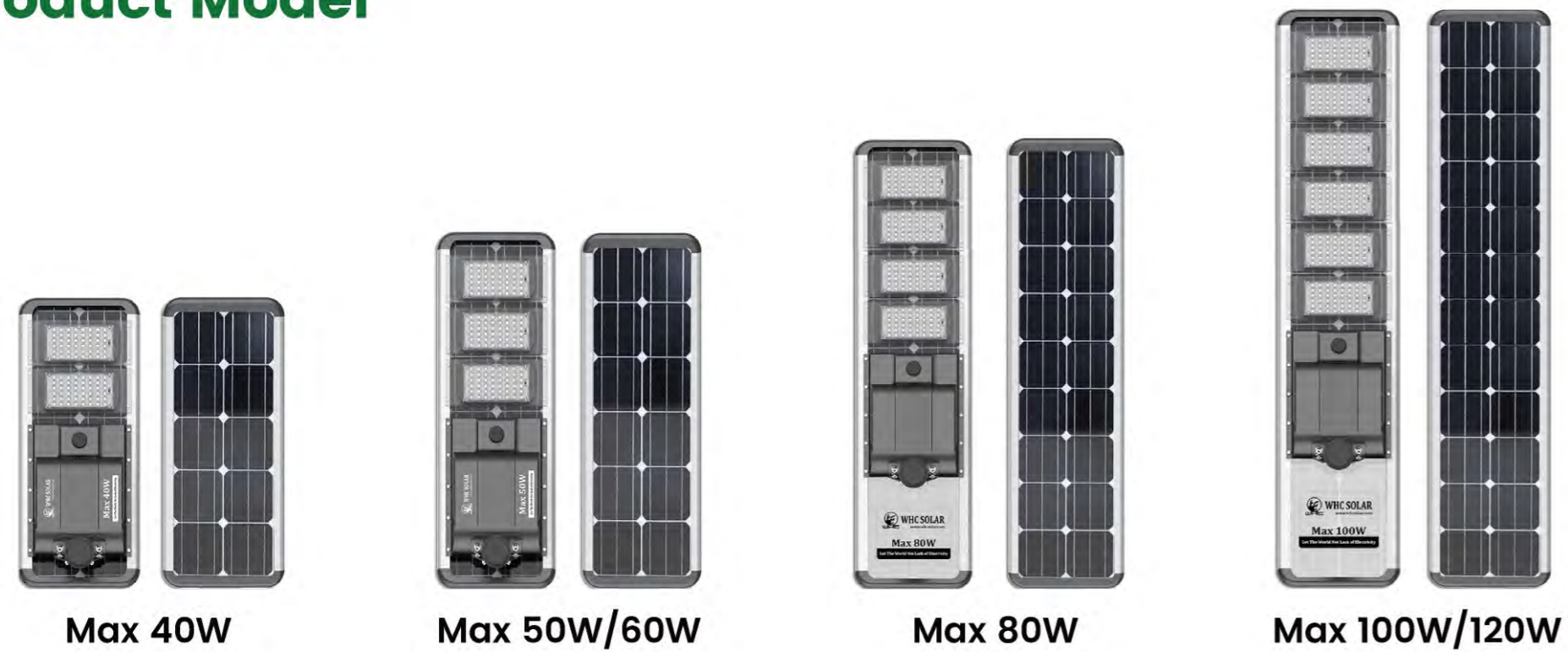
MODEL	FLY 150W	FLY 200W	FLY 250W	FLY 300W	FLY 400W
Real Set Up Power	150W	200W	250W	300W	400W
Lumen	25500LM	34000LM	42500LM	51000LM	68000LM
Color Temperature	2700K-6500K Can Be Customized				
Material	High-End Aluminum Alloy				
Battery	12.8V 75AH	25.6V 45AH	25.6V 60AH	25.6V 75AH	25.6V 90AH
Solar Panel	18V 180W	36V 200W	36V 250W	36V 300W	36V 400W
LED	Bridgelux 3030				
Waterproof IP Grade	IP65				
Charge Time	5-6 Hours (bright sunshine)				
Discharge Time	Lighting 12 hours/Day, Support 5-7 Rainy And Cloudy Days (With Motion Sensor)		Lighting 12 Hours/Day (Without Motion Sensor)		
Installation Diameter	70-76mm				
Product Size(mm)	1615*600*60	1750*600*60	1580*780*60	1800*900*60	1795*1110*60
Product Weight(G.W)	32.2KG	34.6KG	40.8KG	48.9KG	58.1KG
Working Temperature	-25°C~+65°C				
Certificate	CE ROHS				
Remote Control	Yes, Provide 1Pc Per Bulk Order				

Max Series All in One Solar Street Light

40W / 50W / 60W / 80W / 100W / 120W



Product Model



Specification

MODEL	Max 40W	Max 50W	Max 60W	Max 80W	Max 100W	Max 120W
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					
Working Time	12-15hours, 10-12 cloudy/ rainy days					
Brightness	220LM/W					
Material	High-end aluminum alloy					
Waterproof IP grade	IP65					

Super Series All in One Solar Street Light

30W / 40W / 50W / 60W / 80W / 100W / 120W



Product Model



Specification

MODEL	Super 30W	Super 40W	Super 50W	Super 60W	Super 80W	Super 100W	Super 120W
Solar Panel	18V 50W	18V 65W	18V 70W	18V 80W	18V 100W	18V 130W	18V 150W
Light Source	30W	40W	50W	60W	80W	100W	120W
LiFePO4 Battery	12.8V 30AH	12.8V 36AH	12.8V 48AH	12.8V 54AH	12.8V 66AH	12.8V 84AH	12.8V 90AH
Color temperature	2700K-6500K can be customized						
Working Time	3 Days						
LED	Bridgelux 3030						
Material	High-end aluminum alloy						
Waterproof IP grade	IP65						

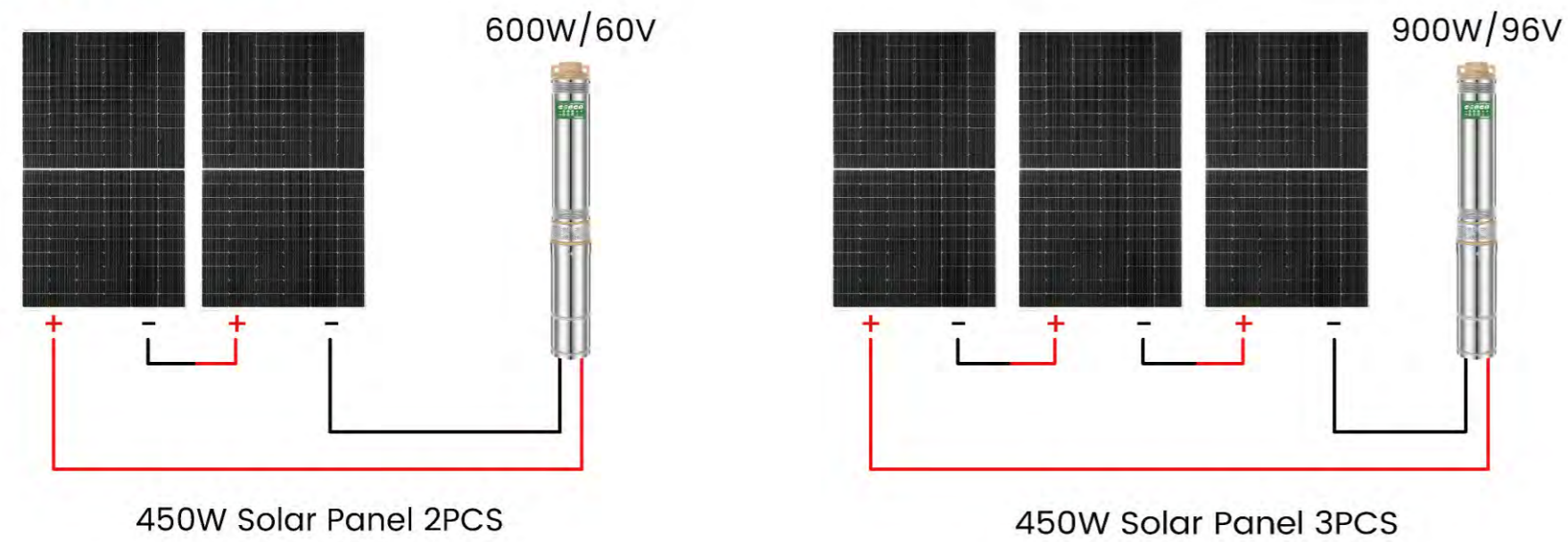
Solar Submersible Water Pump

600W / 900W

Products Features

1. Built-in MPPT Controller
2. The Product with A Diameter Of 50mm Can Be Applied To Small Well Water Intake
3. The Motor Is A Permanent Magnet Variable Frequency Motor With High Efficiency
4. Compared To Ordinary 2-Inch Well Pumps, the Product Has A Large Water Volume And A High Lift

Configuration



Specification

Model	WHC-4SP4.5-70/7-600W/60V	WHC-4SP4.5-105/11-900W/96V
Voltage	60V	96V
Optimum Input Voltage (DC)	60V-84V	96V-124V
Power	600W	900W
MaxFlow	4.5m ³ /h	4.5m ³ /h
Max.Head	70m	105m
Outlet	1.25"	1.25"
Cable	2m	2m
Solar Panel	Open Circuit Voltage(Voc)	<100V
	Power	≥720W

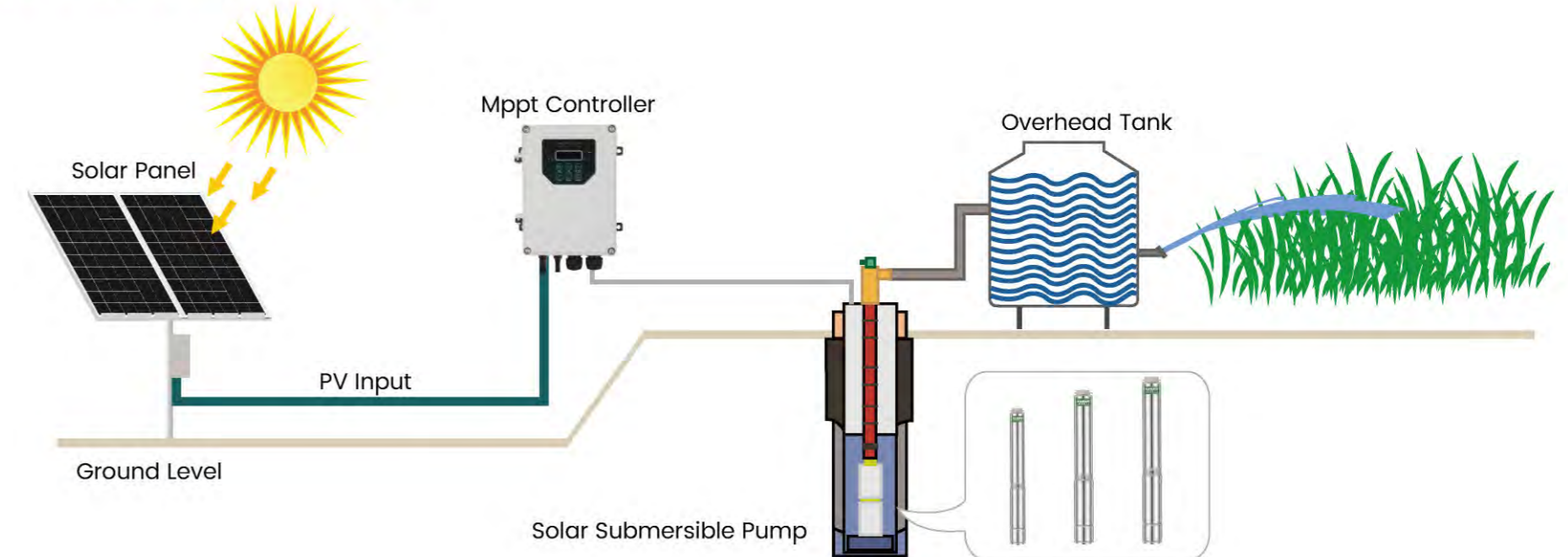
Solar Submersible Water Pump

550W / 750W / 900W / 1200W / 1500W / 2200W

Products Features

1. Exquisite Design, The Pump Is Compact And Easy To Use
2. Mppt Function, The Solar Power Utilization Rate Is Higher
3. High Efficiency, Compared To Brushless Motors, The Efficiency Is Improved By 25%

System Diagram




Specification

Model	Voltage	Optimum Input Voltage (DC)	Power	MaxFlow	Max.Head	Outlet	Cable	Solar Panel	
								Open Circuit Voltage(Voc)	Power
WHC-3SP2.5-38/10-550W/60V	60V	60V-84V	550W	4.8m ³ /h	60m	1.25/1.5"	2m	<100V	≥660W
WHC-3SP2.5-59/15-750W/72V	72V	72V-124V	750W	4.8m ³ /h	84m	1.25/1.5"	2m	<150V	≥900W
WHC-4SP2-63/11-900W/96V	96V	96V-124V	900W	4m ³ /h	100m	1.25"	2m	<150V	≥1080W
WHC-4SP2-88/14-1200W/110V	110V	110V-164V	1200W	4m ³ /h	137m	1.25"	2m	<200V	≥1440W
WHC-4SP2-110/18-1500W/110V	110V	110V-164V	1500W	4m ³ /h	176m	1.25"	2m	<200V	≥1800W
WHC-4SP3-128/23-2200W/200V	200V	200V-330V	2200W	5m ³ /h	188m	1.25"	2m	<450V	≥2640W

AC/DC Solar Submersible Water Pump

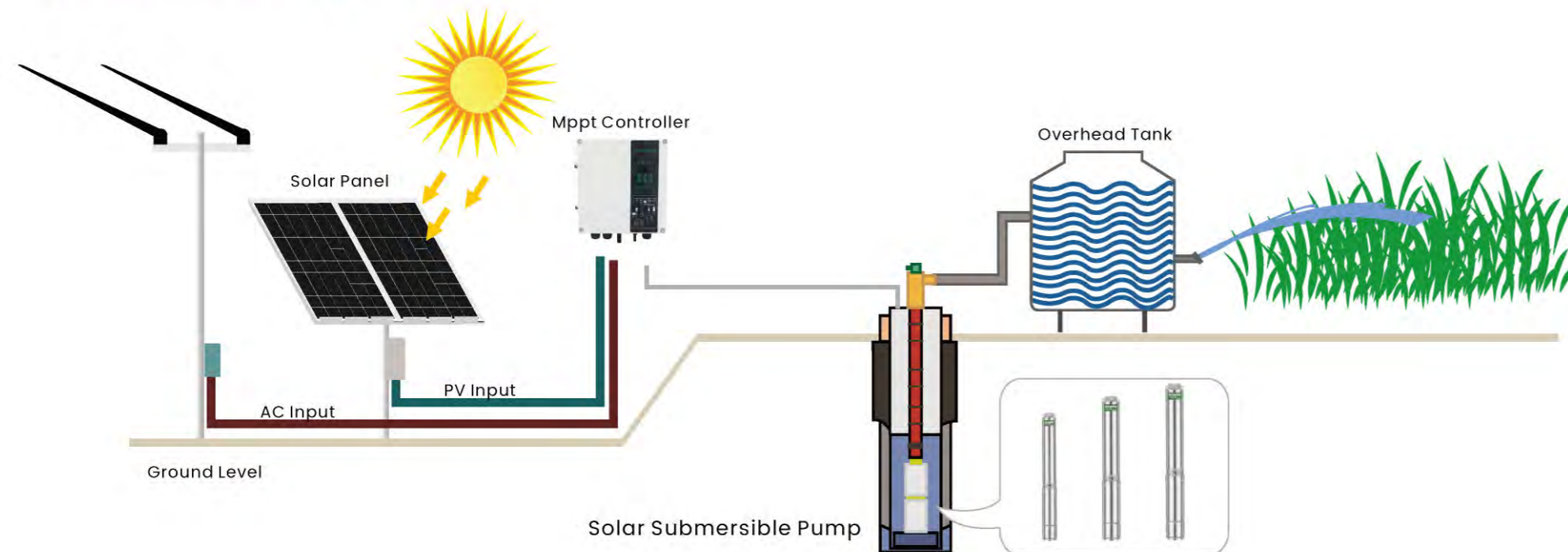
750W / 900W / 1200W / 1500W / 2200W



Products Features

1. DC Brushless, The Efficiency Is Improved By 15% - 20%. Intelligent Water Shortage Protection
2. 304 Stainless Steel Material, More Durable, Not Rusty And Corrosive.
3. Alloy Mechanical Seal, Longer Working Life And High Reliability.
4. Motor Coil Is Made By Automatic Winding Machine With Centralized Winding Technology, Motor Efficiency Is Much Improved.
5. Intelligent MPPT Controller With LCD Display, IP65 Water Proof And Leak-Proof.

System Diagram



Specification

Model	Voltage	Optimum Input Voltage (DC)	Power	MaxFlow	Max.Head	Outlet	Cable	Solar Panel	
								Open Circuit Voltage (Voc)	Power
WHC-A/D-4SP2-48/8-750W/72V	72V	72V-124V	750W	4m³/h	84m	1.25"	2m	<150V	≥900W
WHC-A/D-4SP2-63/11-900W/96V	96V	96V-124V	900W	4m³/h	100m	1.25"	2m	<150V	≥1080W
WHC-A/D-4SP2-88/14-1200W/110V	110V	100V-164V	1200W	4m³/h	137m	1.25"	2m	<200V	≥1440W
WHC-A/D-4SP3-78/15-1500W/150V	150V	150V-205V	1500W	5m³/h	127m	1.25"	2m	<400V	≥1800W
WHC-A/D-4SP3-128/23-2200W/200V	200V	200V-330V	2200W	5m³/h	188m	1.25"	2m	<450V	≥2640W

Solar Surface Water Pump

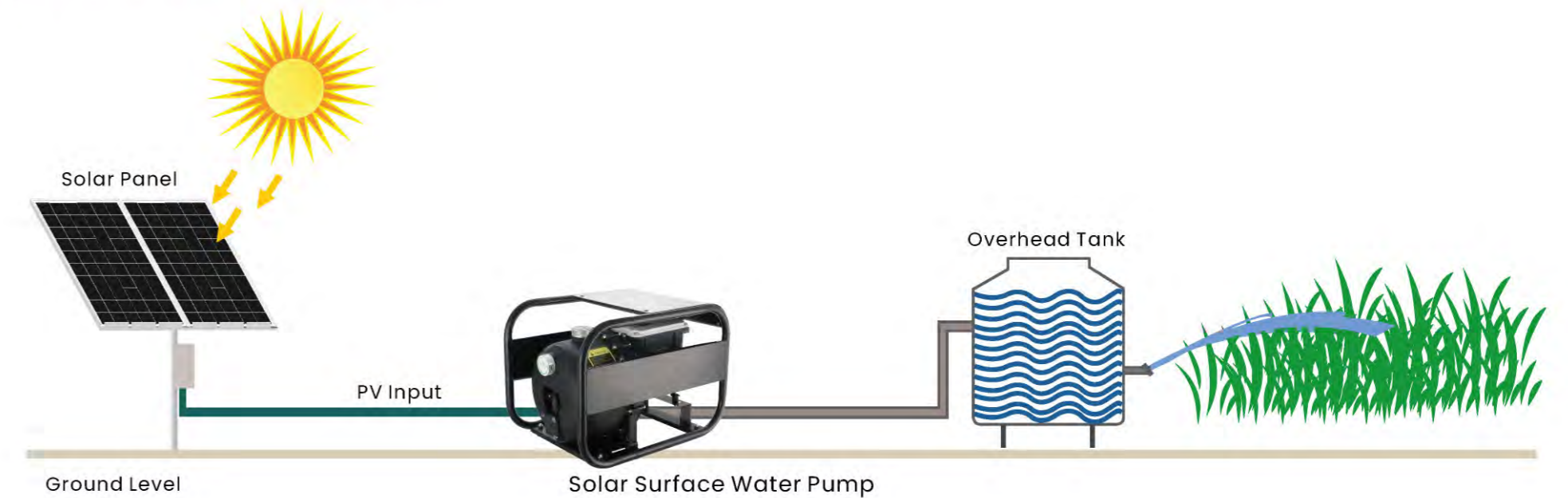
400W / 750W / 900W / 1200W / 1500W



Products Features

1. Brass Material, Very Durable
2. Intelligent MPPT Controller, IP65 Water Proof And Leak-Proof
3. DC Brushless, The Efficiency Is Improved By 15% - 20%
4. 316 Stainless Steel, Not Rusty And Corrosive
5. Equipped With Strong Motor Body Which Made By Die-Cast Aluminum Material, Great Working Performance
6. Intelligent Soft Start Function, No Impulse Current, Protect The Pump Motor Greatly

System Diagram



Specification

Model	Power		Inlet/Outlet (in)	SX.MAX (m)	H.MAX (m)	Q.MAX (L/min)	Q m³/h								
	(HP)	(kW)					0	2	4	8	10	12	14	16	20
WHC-CPM4-22-400W/36V	0.55	0.4	1"x1"	8	22	66	22	13	1	-	-	-	-	-	-
WHC-CPM5-35-750W/72V	1.0	0.75	1"x1"	8	35	83	35	24	14	-	-	-	-	-	-
WHC-ZK16-25-900W/96V	1.2	0.9	2"x2"	8	25	266	25	22	21	15	13	9	5	1	-
WHC-ZK27-16-900W/96V	1.2	0.9	3"x3"	8	16	450	16	15	13.5	12	11.5	10.5	9.5	8	6
WHC-PN22-28-1200W/110V	1.6	1.2	2"x2"	7	28	350	28	26	24	20	18	16	14	12	8
WHC-Z45-22-1500W/150V	2.0	1.5	3"x3"	8	22	750	22	21.1	20.2	18.4	17.5	16.6	15.7	14.8	13



Solar System Project



WHC-5KW-Li-5KWH Solar Energy Storage System
Location: Bamako, Mali



WHC-5KW-Li-10KWH Solar Energy Storage System
Location: Lusaka, Zambia



WHC-10KW-Li-20KWH Solar Energy Storage System
Location: Manila, Philippines



WHC-15KW-Li-30KWH Solar Energy Storage System
Location: Freetown, Sierra Leone



WHC-20KW-Li-30KWH Solar Energy Storage System
Location: Dubai, UAE



WHC-20KW-Li-40KWH Solar Energy Storage System
Location: Dakar, Senegal

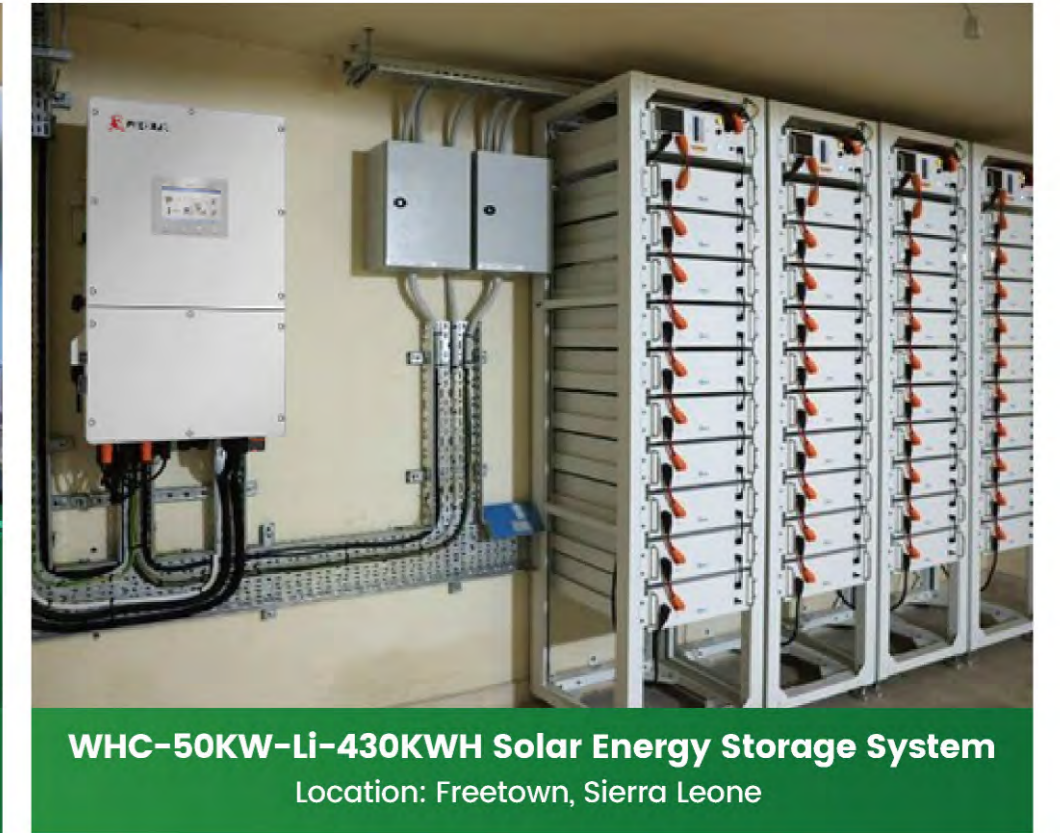


WHC-30KW-Li-60KWH Solar Energy Storage System
Location: Kano, Nigeria

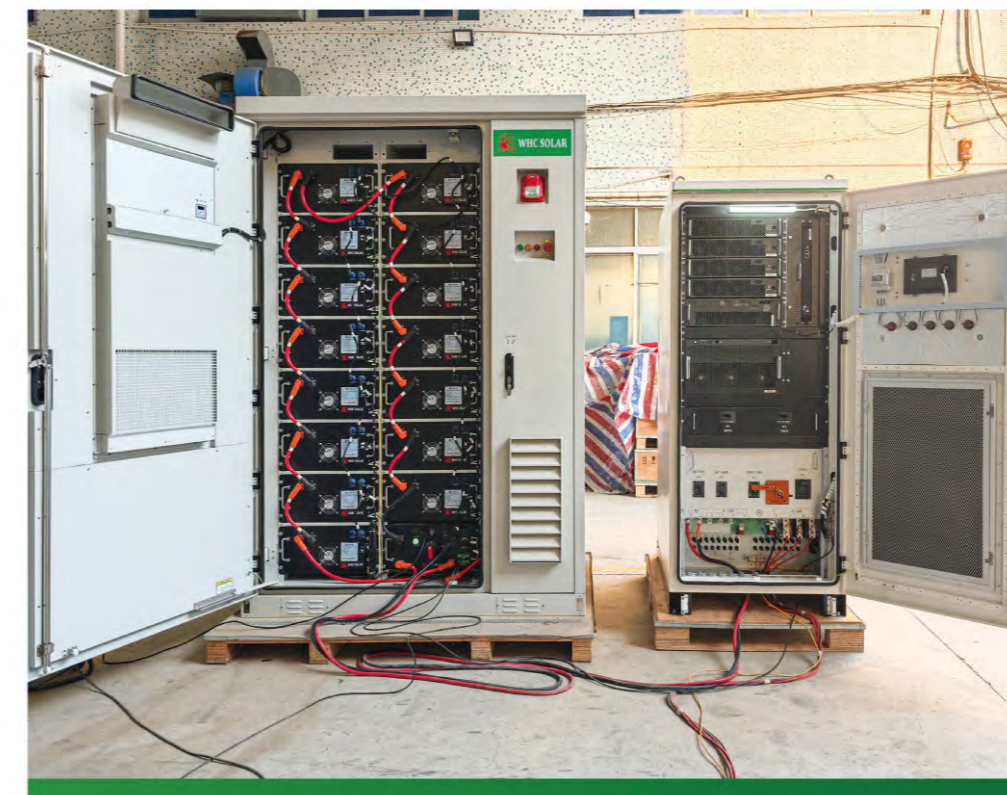
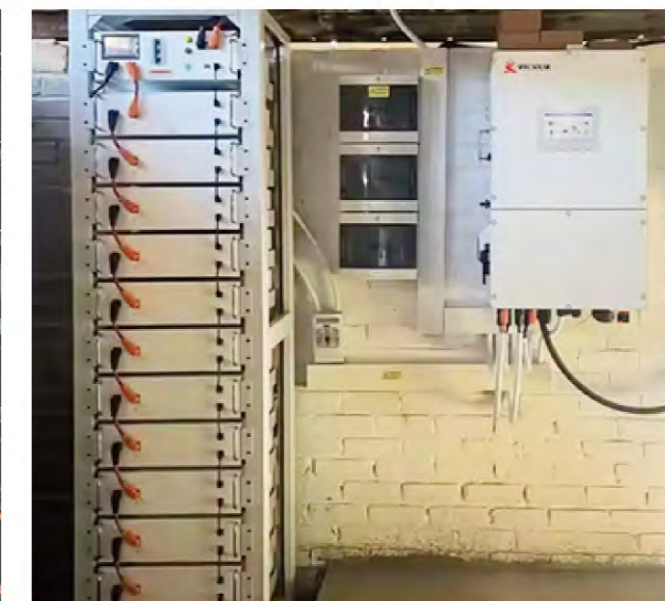
Solar System Project



WHC 20KW Gel Battery Solar Power System*3 Sets
Location: Bamako, Mali



WHC-50KW-Li-430KWH Solar Energy Storage System
Location: Freetown, Sierra Leone



WHC-100KW-Li-215KWH Solar Energy Storage System
Location: Lagos, Nigeria



WHC-150KW-Li-430KWH Solar Energy Storage System
Location: Johannesburg, South Africa

