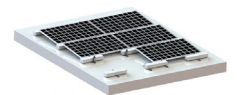
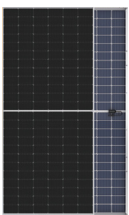
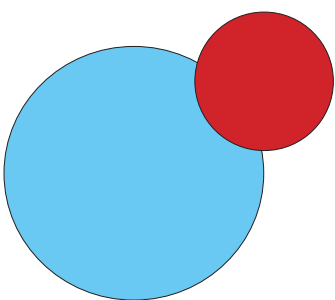


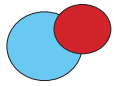


IPower the future  
Lightening tomorrow



# LITHIUM BATTERY SOLAR ENERGY STORAGE SYSTEM CATALOGUE 2024





Shanghai Pvsys New Energy Co.,Ltd is the professional manufacturer of solar panel,solar storage system in the market for more than 13 years.

With our newest technology of Topcon,HJT, our customers can get higher efficiency with best performance through the lifespan of the solar panel.

Our solar storage system is with built in solar hybrid inverter,mppt controller and LifePO4 battery with BMS(Battery Management System), it can be used in No-power areas and it also helps our cusotmer to save their energy bill.We are offering the customization of our solar system based on different needs from our customers. We blieve that "a suitable one for you!"

We have acquired the certificates of CE,IEC61215-1-1:2021,IEC61730-1:2018,IEC 61730-2:2018 and Fire safety Class.

With high quality solar products and best service,we have customers from Italy,Germany,Sweden,Spain,England,Dub ai,South Africa,New Zeland,Australian,Japan,Indonesia.etc more than 50 countries and areas.

We always seem "Quality is our life", without good quality,we can not go any further. We blieve with our effort,we will make the world better.



700KW in Japan



300KW in Japan



13KW in Japan



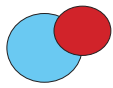
6KW in Tahiti



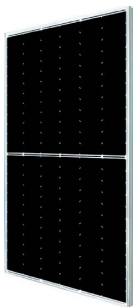
14.76KW in Sweden



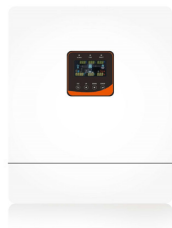
39.6KW-15.12kWh in Iraq



### 3.3KW solar storage system PVS-3.3K-10KWh



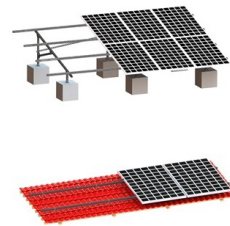
Solar Panel 550W



PSX-3.5KW



10KWh LifePO4



Mounting bracket



Cable&Connector

#### Product description:

PVS-3.3K-10KWh is the solar storage hybrid system with 6pcs 550W solar panel, 3.5KW solar hybrid inverter, 10KWh LifePO4 battery, Ground/Roof solar mounting bracket, and PV cable&Connector.

System components	Quantity	Description
Solar Panel 550W	6pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC220V/50HZ, full load power 3.5KW, MPPT voltage range 120-450Vdc
LifePO4 battery	1set	10KWh Wall type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system
PV Cable and Connector	1set	4mm2 & 6mm2 PV DC Cable and Connector

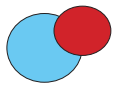
#### Loads reference:



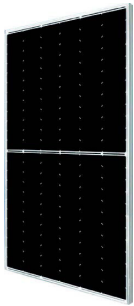
Loads reference	Working hours after full charged(Single load)
1set 400W Computer	20 hours
10pcs 10W Led Lighting	80hours
500W Washing machine	16hours
1HP Air conditioner	10hours
1set 200W Refrigerator	40hours

#### Product warranty:

3 years for system, 6 years for LifePO4 battery



## 4.4KW solar storage system PVS-4.4K-20KWh



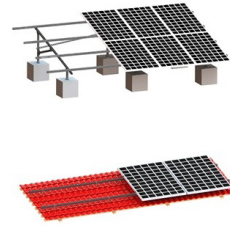
Solar Panel 550W



PSA96-6KVA



20KWh LifePO4



Mounting bracket



Cable&Connector

### Product description:

PVS-4.4K-20KWh is the solar storage hybrid system with 8pcs 550W solar panel, 4.4KW solar hybrid inverter, 20KWh LifePO4 battery, Ground/Roof solar mounting bracket, and PV cable&Connector.

Main Components	Quantity	Description
Solar Panel 550W	8pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC220V/50HZ, full load power 4.8KW, MPPT voltage range 120-280Vdc
LifePO4 battery	1set	20KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system
PV Cable and Connector	1set	4mm <sup>2</sup> & 6mm <sup>2</sup> PV DC Cable and Connector

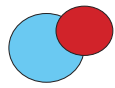
### Loads reference:



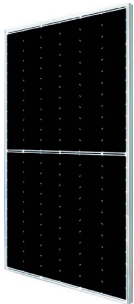
Loads reference	Working hours after full charged (Single load)
5sets 400W Computer	8 hours
20pcs 10W Led Lighting	80hours
500W Washing machine	32hours
2HP Air conditioner	10hours
1set 500W Refrigerator	32hours

### Product warranty:

3 years for system, 6 years for LifePO4 battery



### 5.5KW solar storage system PVS-5.5K-20KWh



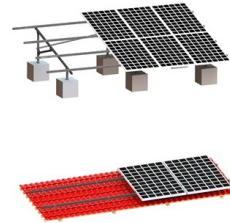
Solar Panel 550W



PSX-5.5KW



20KWh LifePO4



Mounting bracket



Cable&Connector

#### Product description:

PVS-5.5K-20KWh is the solar storage hybrid system with 10pcs 550W solar panel, 5.5KW solar hybrid inverter, 20KWh LifePO4 battery, Ground/Roof solar mounting bracket, and PV cable&Connector.

Main Components	Quantity	Description
Solar Panel 550W	10pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC220V/50HZ, full load power 5.5KW, MPPT voltage range 120-450Vdc
LifePO4 battery	2sets	20KWh Wall type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system
PV Cable and Connector	1set	4mm2 & 6mm2 PV DC Cable and Connector

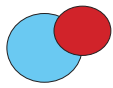
#### Loads reference:



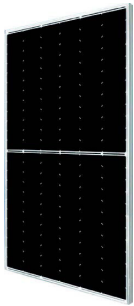
Loads reference	Working hours after full charged (Single load)
5sets 400W Computer	8 hours
20pcs 10W Led Lighting	80hours
500W Washing machine	32hours
2HP Air conditioner	10hours
1set 500W Refrigerator	32hours

#### Product warranty:

3 years for system, 6 years for LifePO4 battery



## 5.5KW solar storage system PVS-5.5K-30KWh



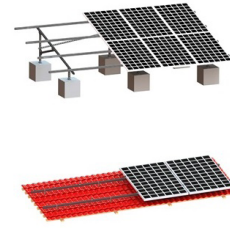
Solar Panel 550W



PSA96-8KVA



30KWh LifePO4



Mounting bracket



Cable&Connector

### Product description:

PVS-5.5K-30KWh is the solar storage hybrid system with 10pcs 550W solar panel, 8KVA solar hybrid inverter, 30KWh LifePO4 battery, Ground/Roof solar mounting bracket, and PV cable&Connector.

Main Components	Quantity	Description
Solar Panel 550W	10pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC220V/50HZ, full load power 6.4KW, MPPT voltage range 120-280Vdc
LifePO4 battery	1set	30KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system
PV Cable and Connector	1set	4mm2 & 6mm2 PV DC Cable and Connector

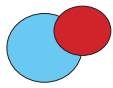
### Loads reference:



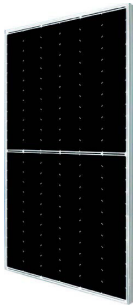
Loads reference	Working hours after full charged
10sets 400W Computer	6 hours
50pcs 10W Led Lighting	48hours
500W Washing machine	48hours
2sets 2HP Air conditioner	16hours
1set 1000W Refrigerator	24hours

### Product warranty:

3 years for system, 6 years for LifePO4 battery



## 10KW solar storage system PVS-10K-40KWh



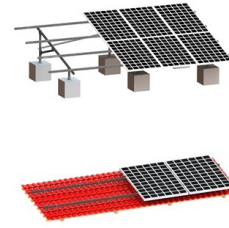
Solar Panel 550W



PSA192-10KVA



40KWh LifePO4



Mounting bracket



Cable&Connector

### Product description:

PVS-10-40KWh is the solar storage hybrid system with 18pcs 550W solar panel, 10KVA solar hybrid inverter, 40KWh LifePO4 battery, Ground/Roof solar mounting bracket, and PV cable&Connector.

Main Components	Quantity	Description
Solar Panel 550W	18pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC220V/50HZ, full load power 8KW, MPPT voltage range 240-450Vdc
LifePO4 battery	1set	40KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system
PV Cable and Connector	1set	4mm <sup>2</sup> & 6mm <sup>2</sup> PV DC Cable and Connector

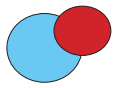
### Loads reference:



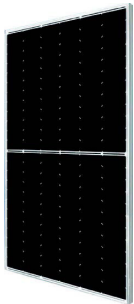
Loads reference	Working hours after full charged
10sets 400W Computer	8 hours
50pcs 10W Led Lighting	64hours
500W Washing machine	64hours
2sets 2HP Air conditioner	21hours
1set 1000W Refrigerator	32hours

### Product warranty:

3 years for system, 6 years for LifePO4 battery



## 20KW solar storage system PVS-20K-60KWh



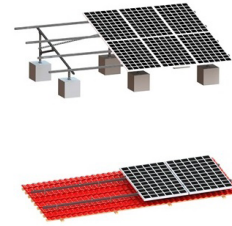
Solar Panel 550W



PSA192-20KVA



60KWh LifePO4



Mounting bracket



Cable&Connector

### Product description:

PVS-20-60KWh is the solar storage hybrid system with 36pcs 550W solar panel, 20KVA solar hybrid inverter, 60KWh LifePO4 battery, Ground/Roof solar mounting bracket, and PV cable&Connector.

Main Components	Quantity	Description
Solar Panel 550W	36pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC220V/50HZ, full load power 16KW, MPPT voltage range 240-450Vdc
LifePO4 battery	1set	60KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system
PV Cable and Connector	1set	4mm2 & 6mm2 PV DC Cable and Connector

### Loads reference:

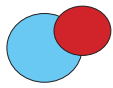


Loads reference	Working hours after full charged
20sets 400W Computer	6 hours
100pcs 10W Led Lighting	48hours
500W Washing machine	96hours
3sets 2HP Air conditioner	21hours
1set 1000W Refrigerator	48hours

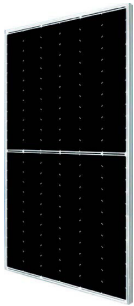
### Product warranty:

3 years for system, 6 years for LifePO4 battery





### 33KW solar storage system PVS-33K-120KWh



Solar Panel 550W



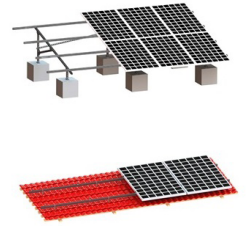
PSI384-30KVA



PSM384-100A



120KWh LifePO4



Mounting bracket

#### Product description:

PVS-33K-120KWh is the solar storage hybrid system with 60pcs 550W solar panel, 30KVA three phases solar hybrid inverter, 100A Controller, 120KWh LifePO4 battery, Ground/Roof solar mounting bracket, and PV cable&Connector.

Main Components	Quantity	Description
Solar Panel 550W	60pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC380V/220V/50HZ, full load power 24KW
Mppt Controller	1set	100A, MPPT 420-800V
LifePO4 battery	1set	120KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system

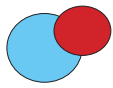
#### Loads reference:



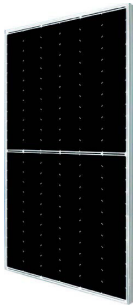
Loads reference	Working hours after full charged
10sets 400W Computer	24 hours
100pcs 10W Led Lighting	96hours
2000W Washing machine	48hours
1set 5HP Air conditioner	25hours
1 set 7.5KW Water pump	12hours

#### Product warranty:

3 years for system, 6 years for LifePO4 battery



### 50KW solar storage system PVS-50K-242KWh



Solar Panel 550W



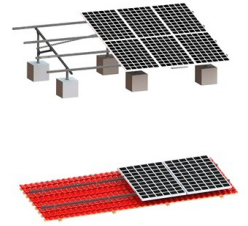
PSI384-60KVA



PSM384-200A



242KWh LifePO4



Mounting bracket

#### Product description:

PVS-50K-242KWh is the solar storage hybrid system with 90pcs 550W solar panel, 60KVA three phases solar hybrid inverter, 200A Controller, 242KWh LifePO4 battery, Ground/Roof solar mounting bracket, and PV cable&Connector.

Main Components	Quantity	Description
Solar Panel 550W	90pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC380V/220V/50HZ, full load power 48KW
Mppt Controller	1set	200A, MPPT 420-800V
LifePO4 battery	1set	242KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system

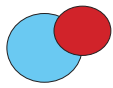
#### Loads reference:



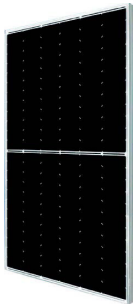
Loads reference	Working hours after full charged
10sets 400W Computer	48 hours
100pcs 10W Led Lighting	193hours
2000W Washing machine	96hours
1set 5HP Air conditioner	51hours
1 set 15KW Water pump	12hours

#### Product warranty:

3 years for system, 6 years for LifePO4 battery



## 75KW solar storage system PVS-75K-322KWh



Solar Panel 550W



PSI384-100KVA



PSM384-300A



322KWh LifePO4



Mounting bracket

### Product description:

PVS-75K-322KWh is the solar storage hybrid system with 135pcs 550W solar panel, 100KVA three phases solar hybrid inverter, 300A Controller, 322KWh LifePO4 battery, Ground/Roof mounting bracket, and PV cable & Connector.

Main Components	Quantity	Description
Solar Panel 550W	135pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC380V/220V/50HZ, full load power 80KW
Mppt Controller	1set	300A, MPPT 420-800V
LifePO4 battery	1set	322KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system

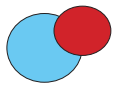
### Loads reference:



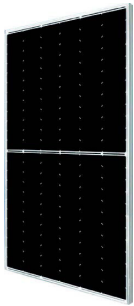
Loads reference	Working hours after full charged
10sets 400W Computer	64 hours
100pcs 10W Led Lighting	258hours
2000W Washing machine	129hours
1set 5HP Air conditioner	68hours
1 set 15KW Water pump	17hours

### Product warranty:

3 years for system, 6 years for LifePO4 battery



## 100KW solar storage system PVS-100K-403KWh



Solar Panel 550W



PSI384-150KVA



PSM384-300A



403KWh LifePO4



Mounting bracket

### Product description:

PVS-100K-403KWh is the solar storage hybrid system with 180pcs 550W solar panel, 150KVA three phases solar hybrid inverter, 300A Controller, 322KWh LifePO4 battery, Ground/Roof mounting bracket, and PV cable & Connector.

Main Components	Quantity	Description
Solar Panel 550W	180pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC380V/220V/50HZ, full load power 120KW
Mppt Controller	1set	300A, MPPT 420-800V
LifePO4 battery	1set	403KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system

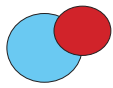
### Loads reference:



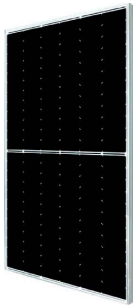
Loads reference	Working hours after full charged
10sets 400W Computer	80 hours
100pcs 10W Led Lighting	322hours
2000W Washing machine	161hours
1set 5HP Air conditioner	86hours
1 set 15KW Water pump	21hours

### Product warranty:

3 years for system, 6 years for LifePO4 battery



## 200KW solar storage system PVS-200K-725KWh



Solar Panel 550W



PSI384-200KVA



PSM384-300A



725KWh LifePO4



Mounting bracket

### Product description:

PVS-200K-725KWh is the solar storage hybrid system with 360pcs 550W solar panel, 200KVA three phases solar hybrid inverter, 300A Controller, 725KWh LifePO4 battery, Ground/Roof mounting bracket, and PV cable & Connector.

Main Components	Quantity	Description
Solar Panel 550W	360pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC380V/220V/50HZ, full load power 160KW
Mppt Controller	1set	300A, MPPT 420-800V
LifePO4 battery	1set	725KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system

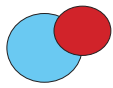
### Loads reference:



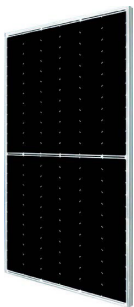
Loads reference	Working hours after full charged
20sets 400W Computer	72 hours
150pcs 10W Led Lighting	386hours
2000W Washing machine	290hours
1set 5HP Air conditioner	155hours
1 set 15KW Water pump	38hours

### Product warranty:

3 years for system, 6 years for LifePO4 battery



**300KW solar storage system**  
**PVS-300K-1088KWh**



Solar Panel 550W



PSI384-300KVA



PSM384-300A



1088KWh LifePO4



Mounting bracket

**Product description:**

PVS-300K-1088KWh is the solar storage hybrid system with 540pcs 550W solar panel, 300KVA three phases solar hybrid inverter, 300A Controller, 1088KWh LifePO4 battery, Ground/Roof mounting bracket, and PV cable&Connector.

Main Components	Quantity	Description
Solar Panel 550W	540pcs	Perc monocrystalline solar panel 550W
Storage Hybrid Inverter	1set	AC380V/220V/50HZ, full load power 240KW
Mppt Controller	1set	300A, MPPT 420-800V
LifePO4 battery	1set	1088KWh Rack type LifePO4 battery
Solar Mounting Bracket	1set	Aluminum bracket for ground system or roof system

**Loads reference:**



Loads reference	Working hours after full charged
20sets 400W Computer	108 hours
150pcs 10W Led Lighting	580hours
2000W Washing machine	435hours
1set 5HP Air conditioner	232hours
1 set 15KW Water pump	58hours

**Product warranty:**

3 years for system, 6 years for LifePO4 battery