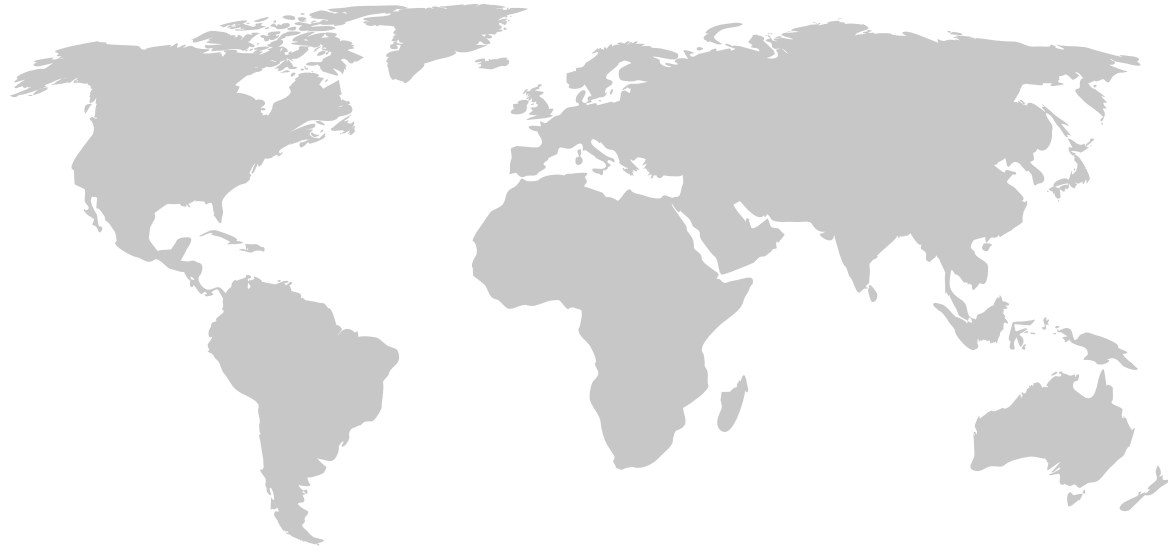




Low-carbon life starts from a little bit, energy saving
and environmental protection starts from you and me.
Professional achievement brand, quality changes the future!

ONE STOP ENERGY STORAGE SOLUTION PROVIDER



◆ *Power tomorrow, Today*

PTT Solar Group

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Scan this Whatsapp
to add Salesman

[Http://www.pptsolargroup.com](http://www.pptsolargroup.com)



Become the world's leading battery energy storage system and solution providers

PTT has a strong research and development team, able to provide customers with strong technical support.

In the past, we have established long-term and stable cooperative relations with many other enterprises

Always continue to innovate and carry out extensive cooperation

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INTRODUCTION

WHO ARE WE

PTT Group is a global supplier of one-stop energy storage system solutions, PTT Group mainly engages in the production, research and development, sales, and overall energy storage system solutions of green new energy products. The products mainly include energy storage batteries, solar photovoltaic panels, industrial and commercial energy storage systems, mobile energy storage power stations, mobile lighthouses, mobile hybrid power stations, inverters, solar street lights, and other new energy products. The products are sold to more than 70 countries and regions around the world, including Europe, Asia, Latin America, the Middle East, and Africa. PTT has successfully won multiple overseas government projects and enjoys high recognition and brand influence in the market.

PTT leverages the advantages of the group's operational model, possessing strong intelligent manufacturing capabilities and a complete sales network. After years of development, it has established sales centers, technical service centers, and after-sales service centers in multiple countries and regions around the world, providing 24/7 technical support, fast product delivery, and comprehensive after-sales service support.

PTT Group is committed to becoming a leader in the global TOP10 new energy system solutions.

WHY CHOOSE US

OUR COMPETITIVE ADVANTAGES

Strong R&D Capabilities

PTT has a strong research and development team, including battery engineers, inverter engineers, BMS engineers, structural engineers, and electronic engineers. All team members have rich work experience and can provide strong technical support to customers.

Production Capacity

PTT has multiple automated production lines, including energy storage battery production lines, inverter production lines, EV charging production lines, photovoltaic panel production lines, and soon.

After-sales Service System

In response to customer after-sales needs, PTT team ensures a 24-hour response and provides solutions within 48 hours. During the warranty period, PTT promises to provide free accessories or complete machines for quality issues.



PRESENTATION

Company Photo



Automated Factory



Living Example





WALL MOUNTED LITHIUM BATTERY

PWLB5120L / PWLB5120H / PWLB10240



Long Cycle Life

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Smart BMS

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Ultra Safety

- Advanced battery management system for safe and efficient operation.



High Charge & Discharge Rate

- The product has high efficiency, high speed and stable performance during charging and discharging.



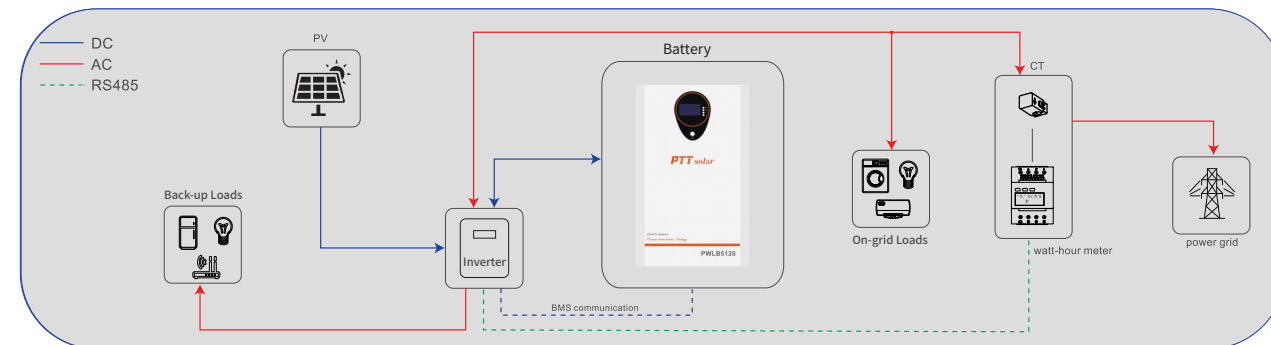
WiFi/ Bluetooth (optional)

- The product comes with LCD screen and can choose WiFi or Bluetooth remote control.



Easy For Installation

- The product has a compact and robust design, Easy installation for contractor or home owner.



MODEL	PWLB5120L	PWLB5120H	PWLB10240
Energy Capacity	5120Wh	5120Wh	10240Wh
Rated Capacity	200Ah	100Ah	200Ah
Battery Type	LiFePO4		
CHARGE AND DISCHARGE PARAMETER			
Nominal Voltage	25.6 V.DC	51.2 V.DC	
Min. Discharge Voltage	21.6 V.DC	43.2 V.DC	
Max. Charging Voltage	29.2 V.DC	58.4 V.DC	
Max. Charging Current	100A		
Max. Recommended DOD	95%		
GENERAL INFO			
Communication	CAN / RS485		
Bluetooth / WiFi	Optional		
SOC Display	LCD		
Cycle Life	≥6000 Cycles @25°C, 0.5C, 90% DOD		
Life Span	20 Years		
Cooling	Natural Convection		
Transportation	UN38.3, MSDS		
Scalability	Up to 15 units in parallel		
ENVIRONMENT			
Running State	5%~95% RH		
Storage	5%~85% RH		
Charging	-10°C to +55°C		
Discharging	-20°C to +60°C		
Storage	-10°C to +55°C		
STANDARD			
Dimensions (W*D*H)	390*176.5*623 mm	390*176.5*623 mm	489.5*191.5*898.5 mm
Package Size (W*D*H)	467*200*678 mm	467*200*678 mm	567*215*955 mm
Net Weight	43 kgs	43 kgs	88 kgs
Gross Weight	45 kgs	45 kgs	90 kgs

Testing conditions are based on temperature 25°C at the beginning of life.
Product specifications are subject to change without further notice.



FLOOR MOUNTED LITHIUM BATTERY

PFLB10240 / PFLB15000



Move Easily

- Trailer design, allowing for easy towing and quick access to the intended location.



Ultra Safety

- Advanced battery management system for safe and efficient operation.



WiFi/ Bluetooth (optional)

- The product comes with LCD screen and can choose WiFi or Bluetooth remote control.



Smart BMS

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



High Charge & Discharge Rate

- The product has high efficiency, high speed and stable performance during charging and discharging.



Long Cycle Life

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



MODEL	PFLB10240	PFLB15000
Energy Capacity	10kWh	15kWh
Rated Capacity	200Ah	300Ah
Battery Type	LiFePO4	
CHARGE AND DISCHARGE PARAMETER		
Nominal Voltage	51.2 V.DC	
Min. Discharge Voltage	43.2 V.DC	
Max. Charging Voltage	58.4 V.DC	
Max. Charging Current	100A	150A
Max. Recommended DOD	95%	
GENERAL INFO		
Communication	CAN / R485	
Bluetooth / WiFi	Optional	
SOC Display	LCD	
Cycle Life	≥6000 Cycles @25°C, 0.5C, 90% DOD	
Life Span	20 Years	
Cooling	Natural Convection	
Transportation	UN38.3, MSDS	
ENVIRONMENT		
Running State	5%~95% RH	
Storage	5%~85% RH	
Charging	-10°C to +55°C	
Discharging	-20°C to +60°C	
Storage	-10°C to +55°C	
STANDARD		
Dimensions (W*D*H)	526.9*240*944 mm	526.6*280*944 mm
Package Size (W*D*H)	615*426*1015 mm	615*426*1015 mm
Net Weight	90 kgs	111 kgs
Gross Weight	101 kgs	122 kgs

Testing conditions are based on temperature 25°C at the beginning of life.
Product specifications are subject to change without further notice.



RACK MOUNTED LITHIUM BATTERY

PRLB5120



Flexible configuration
• It can be flexibly configured based on actual requirements to meet different requirements.



Easy For Installation
• The product has a compact and robust design, Easy installation for contractor or home owner.



Expandable capacity
• Support multi-capacity expansion, up to 15 PCS can be connected in parallel.



Module Design
• The modular design improves the maintainability and expansibility of the product.

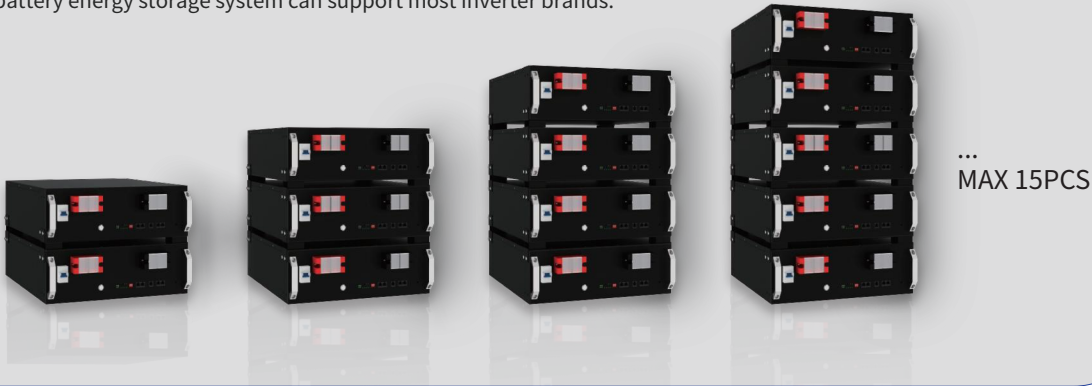


Long Cycle Life
• The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



High Charge &Discharge Rate
• The product has high efficiency, high speed and stable performance during charging and discharging.

PTT battery energy storage system can support most inverter brands.



MODEL	PRLB5120
Energy Capacity	5120Wh
Rated Capacity	100Ah
Battery Type	LiFePO4
CHARGE AND DISCHARGE PARAMETER	
Nominal Voltage	51.2V.DC / 48V.DC
Min. Discharge Voltage	43.2V.DC / 40.5V.DC
Max. Charging Voltage	58.4V.DC / 54.5V.DC
Max. Charging Current	100A
Max. Recommended DOD	>95%
GENERAL INFO	
Communication	CAN / R485 / R232
Bluetooth / WiFi	Optional
IP Grade	IP54 / IP65 (Optional)
SOC Display	LED / LCD (Optional)
Cycle Life	≥6000 Cycles @25°C, 0.5C, 90% DOD
Warranty	5 Years
Life Span	20 Years
Cooling	Natural Convection
Transportation	UN38.3, MSDS
ENVIRONMENT	
Running State	5%~95% RH
Storage	5%~85% RH
Charging	-10°C to +50°C
Discharging	-20°C to +60°C
Storage	-10°C to +50°C
STANDARD	
Dimensions (W*D*H)	515*482*150 mm
Package Size (W*D*H)	590*515*195 mm
Net Weight	44 kgs
Gross Weight	45.5 kgs

Testing condition are based on temperature 25°C at the beginning of life.
Product specifications are subject to change without further notice.
★4800Wh capacity can be customized according to customer needs.



ALL-IN-ONE ESS

PMLA0510E / PMLA0515E



Move Easily

- Trailer design, allowing for easy towing and quick access to the intended location.



Long Cycle Life

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Wi-Fi/ Bluetooth (optional)

- The product comes with LCD screen and can choose Wi-Fi or Bluetooth remote control.



High conversion rate

- The inverter uses advanced power electronics and high-efficiency components to reduce energy waste.



Flexible and stable

- Freely adjust the output voltage, frequency and other functions to meet the needs of different equipment.



Intelligent Control

- Through the built-in intelligent control algorithm, remote control and fault diagnosis are realized.



MODEL	PMLA0510E		PMLA0515E	
AC INPUT				
Rated Voltage	220/230/240 Va.c.,L+N+PE			
Rated Frequency	50 Hz/60 Hz			
Current(Maximum Continuous)	40A.AC			
INVERTER OUTPUT				
Rated Power	5.5 kVA			
Rated Voltage	220/230/240Va.c.,L+N+PE			
Wave Form	Pure Sine Wave			
Inverter Efficiency (Peak)	>94%			
Current(Maximum Continuous)	22.7A.AC			
Maximum Output Overcurrent Protection	102%~110% 1min / 110%~130% 10s / 130%~150% 3s / 150% 0.2s			
BATTERY				
Energy Capacity	10kWh		15kWh	
Rated Capacity	200Ah		300Ah	
Battery Type	LiFePO4			
CHARGE AND DISCHARGE PARAMETER				
Nominal Voltage	51.2 V.DC			
Min. Discharge Voltage	43.2 V.DC			
Max. Charging Voltage	58.4 V.DC			
Max. Charging Current	100A			
PV INPUT				
No.of MPPT Tracker /Strings	1/1			
Max.PV Array Power	6 kW			
Max.DC Voltage	500Vdc			
MPPT Voltage Range	120~430V.DC			
Start-up Voltage	120V.DC			
MPPT Maximum Charge Current	100A.DC			
GENERAL PARAMETER				
Storage Temperature	-10℃~+60℃			
Operating Temperature	-10℃~+55℃			
Cycle Life	≥6000 Cycles @25℃,0.5C,90%DOD			
Humidity	5%~95%(Non-condensing)			
Operating Altitude	4000m(>1000m Derating)			
Noise	<50 dB			
Other Protection	Overload,Over temperature,Short circuit			
Trans Portation1	UN38.3,MSDS			
Dimensions (W*D*H)	526.6*240*1118 mm		526.6*280*1118 mm	
Package Size (W*D*H)	615*426*1185 mm		615*426*1185 mm	
Net Weight	111kgs		119kgs	
Gross Weight	122kgs		130kgs	
Display	LCD			
STANDARD				
Stardard	GB/T 34120-2017 GB/T 34133-2017 EN62477, EN / IEC61000			

Testing conditions are based on temperature 25℃ at the beginning of life.

Product specifications are subject to change without further notice.



MOVABLE POWERSTATION

PMLA0302P / 0303P / 0505P / 0507P



IP65 Protection Level

- It features a multi-structure waterproof design that truly reaches the IP65 protection rating.



Hidden Handle Design

- Hidden handle design, appearance is more beautiful, more convenient to move.



Parallel Connection

- Supports parallel connection, maximum power will be 45kW.



Super Silent Design

- Minimizing noise generation and transmission while maintaining functionality and aesthetics.



Exclusive Touch Screen

- Exclusive touch screen for easier operation, It provides users with intuitive and convenient control methods.



Expandable capacity

- The battery capacity can be expanded externally, up to 80kWh.



MODEL	PMLA0302P	PMLA0303P	PMLA0505P	PMLA0507P
AC INPUT				
Rated Voltage	220/230/240 Va.c.,L+N+PE			
Rated Frequency	50 Hz/60 Hz			
Current(Maximum Continuous)	20A.AC		40A.AC	
INVERTER OUTPUT				
Rated Power	3.6kVA		5.5kVA	
Rated Voltage	220/230/240Va.c.,L+N+PE			
Wave Form	Pure Sine Wave			
Vac Output	3 pin AC multi-function socket			
DC USB/Type C Output	Each 2 port			
Inverter Efficiency (Peak)	>92%		>94%	
Current(Maximum Continuous)	15.6A.AC		22.7A.AC	
Maximum Output Overcurrent Protection	102%~110% 1min / 110%~130% 10s / 130%~150% 3s / 150% 0.2s			
BATTERY				
Battery Type	LiFePO4			
Energy Capacity	2560Wh	3456Wh	5120Wh	6912Wh
Rated Battery Voltage	25.6V.DC		51.2V.DC	
Max.Charge Current	100A.DC		80A.DC	
PV INPUT				
No.of MPPT Tracker /Strings	1/1			
Max.PV Array Power	5 kW		6 kW	
Max.DC Voltage	500Vdc			
MPPT Voltage Range	40~450V.DC		120~430V.DC	
Start-up Voltage	60V.DC		120V.DC	
MPPT Maximum Charge Current	100A.DC		80A.DC	
Max.Input Current	18 A.DC			
PV Interface Type	MC4			
GENERAL PARAMETER				
Storage Temperature	-10 C~+60 C			
Operating Temperature	-10 C~+50 C			
Cycle Life	≥6000 Cycles @25 C,0.5C,90%DOD			
Humidity	5%~95%(Non-condensing)			
Operating Altitude	4000m(>1000m Derating)			
Noise	<50 dB			
IP Grade	IP65			
Other Protection	Overload,Over temperature,Short circuit			
Trans Portation1	UN38.3,MSDS			
Machine Dimensions (W*D*H)	641.5*360*586 mm		711.5*360*636 mm	
Machine Weight/N.W.	40kgs		65kgs	
Display	LCD Touchscreen			
Interface	WiFi			
STANDARD				
Standrad	GB/T 34120-2017 GB/T 34133-2017 EN62477, EN / IEC61000			

Product specifications are subject to change without further notice.

Testing conditions are based on temperature 25°C at the beginning of life.



MOVABLE POWERSTATION

PMLA0302E / 0303E / 0505E / 0507E



Move Easily

- Trailer design, allowing for easy towing and quick access to the intended location.



Super Silent Design

- Minimizing noise generation and transmission while maintaining functionality and aesthetics.



Long Cycle Life

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Smart BMS

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Ultra Safety

- Advanced battery management system for safe and efficient operation.



High Charge & Discharge Rate

- The product has high efficiency, high speed and stable performance during charging and discharging.



MODEL	PMLA0302E	PMLA0303E	PMLA0505E	PMLA0507E
AC INPUT				
Rated Voltage	220/230/240 V.a.c.,L+N+PE			
Rated Frequency	50 Hz/60 Hz			
Current(Maximum Continuous)	20A.AC		40A.AC	
INVERTER OUTPUT				
Rated Power	3.6kVA		5.5kVA	
Rated Voltage	220/230/240V.a.c.,L+N+PE			
Wave Form	Pure Sine Wave			
Vac Output	3 pin AC multi-function socket			
DC USB/Type C Output	Each 2 port			
Inverter Efficiency (Peak)	>92%		>94%	
Current(Maximum Continuous)	15.6A.AC		22.7A.AC	
Maximum Output Overcurrent Protection	102%~110% 1min / 110%~130% 10s / 130%~150% 3s / 150% 0.2s			
BATTERY				
Battery Type	LiFePO4			
Energy Capacity	2560Wh	3456Wh	5120Wh	6912Wh
Rated Battery Voltage	25.6V.DC		51.2V.DC	
Max.Charge Current	100A.DC		80A.DC	
PV INPUT				
No.of MPPT Tracker /Strings	1/1			
Max.PV Array Power	5 kW		6 kW	
Max.DC Voltage	500Vdc			
MPPT Voltage Range	40~450V.DC		120~430V.DC	
Start-up Voltage	60V.DC		120V.DC	
MPPT Maximum Charge Current	100A.DC		80A.DC	
Max.Input Current	18 A.DC			
PV Interface Type	XT60			
GENERAL PARAMETER				
Storage Temperature	-10℃~+60℃			
Operating Temperature	-10℃~+50℃			
Cycle Life	≥4000 Cycles @25℃,0.5C,90%DOD			
Humidity	5%~95%(Non-condensing)			
Operating Altitude	4000m(>1000m Derating)			
Noise	<50 dB			
Other Protection	Overload,Over temperature,Short circuit			
Trans Portation1	UN38.3,MSDS			
Machine Dimensions (W*D*H)	433*307*499 mm		493*384*522 mm	
Machine Weight/N.W.	35kgs		55kgs	
Display	LCD Button Screen			
STANDARD				
Standar	GB/T 34120-2017 GB/T 34133-2017 EN62477, EN / IEC61000			

Product specifications are subject to change without further notice.

Testing conditions are based on temperature 25°C at the beginning of life.



OFF GRID HYBRID INVERTER

PILL3KS-N / PILL5KS-S / PIHL7KS-N



Easy For Installation
• The product has a compact and robust design, Easy installation for contractor or home owner.



Smart BMS
• The inverter supports BMS communication.



Dual Communication Ports
• Dual communication ports for Battery communication and Wifi communication.



Smart battery charge design
• Smart battery charge design to optimize battery life.



Intelligent working mode
• This inverter has a variety of intelligent ways of working.



Built-in anti-dust kit
• Built-in anti-dust kit for harsh environment.

MODEL	PILL3KS-N	PILL5KS-S	PIHL7KS-N
Rated Power	3200VA	5500VA	7000VA
INPUT			
Voltage	230VAC		
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)		
Frequency Range	50Hz/60Hz(Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt.Mode)	230VAC±5%		
Surge power	6400VA	7500VA	14000VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)		
Waveform	Pure Sine Wave		
BATTERY&ACCHARGER			
Battery Voltage	24VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	54VDC	54VDC
Over Charge Protection	31VDC	60VDC	61VDC
Maximum charge current	60A	80A	80A
SOLAR CHARGER			
MAX.PV Array Power	3000W	6000W	6000W
MPPT Range @ Operating Voltage	55-450VDC	120-430VDC	55-450VDC
Maximum PV Array Open Circuit Voltage	450VDC	500VDC	450VDC
Maximum Charging Current	80A	80A	110A
Maximum Efficiency	98%		
PHYSICAL			
Dimension.W*D*H(mm)	286*98*405mm	335*125*470mm	290*105*423mm
Net Weight(kgs)	5.0kgs	8.6kgs	7.5kgs
Communication Interface	RS232/RS485(Standard) WIFI(Optional)		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-10°C to 60°C		
Working Altitude	4000m (> 1000m derated)		
PROTECTION AND CHARACTERISTICS			
Parallel Function	No	Yes (up to 6 units)	No
Class Of Protection	Ip20, indoor use only		
Other Protection	Overload protection, Over temperature protection, Short circuit protection		

Testing conditions are based on temperature 25°C at the beginning of life.
Product specifications are subject to change without further notice.



ON / OFF GRID INDOOR HYBRID INVERTER

PIHL6KS-N / PIHL10KS-N



Easy For Installation
• The product has a compact and robust design,
Easy installation for contractor or home owner.



Smart BMS
• The inverter supports BMS communication.



Dual Communication Ports
• Dual communication ports for Battery
communication and Wifi communication.



Smart battery charge design
• Smart battery charge design to optimize battery life.



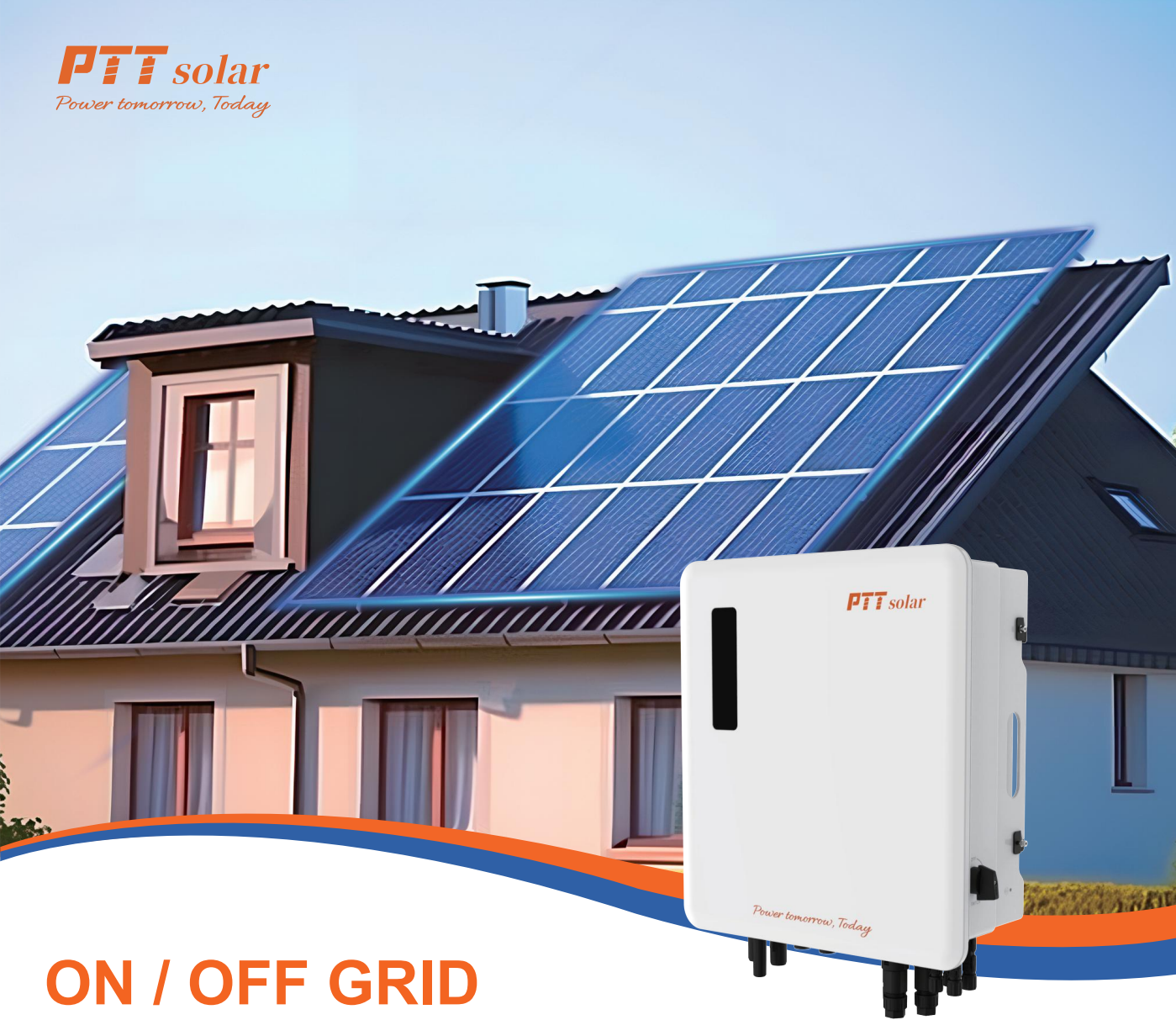
Intelligent working mode
• This inverter has a variety of intelligent ways of working.



Built-in anti-dust kit
• Built-in anti-dust kit for harsh environment.

Model	PIHL6KS-N		PIHL10KS-N
Phase	1-phase		
Maximum Py Input Power	6500W		5400W+5400W
Rated Output Power	6200W/6200VA		10200W/10200VA
Maximum Solar Charging Current	120A		160A
GRID-TIE OPERATION			
PV INPUT(DC)			
NominalDC Voltage/Maximum DC Voltage	360/500VDC		
Start-up Voltage/ Initial Feeding Voltage	60VDC/90VDC		90VDC/120VDC
MPPT Voltage Range	60~450VDC		90~450VDC
Maximum input Current	1/22A		2/18A
GRID OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195~253VAC		
Nominal Output Current	27.0A		44.3A
Power Factor	> 0.99		
EFFICIENCY			
Maximum Conversion Efficiency(DC/AC)	98%		
TWO LOAD OUTPUT POWER			
Full Load	6200W		10200W
Maxium Main Load	6200W		10200W
Maxium Second Load(battery mode)	2067W		3400W
Maxium Load Cut Off Voltage	52VDC		
Maxium Load Return Voltage	54VDC		
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	120-140VDC/180VAC		
Acceptable Input Voltage Range	90-280VDC or 170-280VAC		
Frequency Range	59~61±1HZ		
Maximum AC Input Current	36.4A		60A
PV INPUT(DC)			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
MPPT Voltage Range	60~450VDC		90~450VDC
Maximum Input Current	1/22A		2/18A
BATTERY MODE OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Pure sine ware		
Efficiency(DC to AC)	94%		
BATTERY & CHARGER			
Nominal DC Voltage	48VDC		
Maximum Solar Charging Current	120A		160A
Maximum AC Charging Current	100A		140A
Maximum Solar+AC Charging Current	120A		160A
HYBRID OPERATION			
PV INPUT(DC)			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	60~450VDC		90~450VDC
Maximum Input Current	1/22A		2/18A
GRID OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195~253VAC		
Nominal Output Current	27.0A		44.3A
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	36.4A		60A
Maximum AC Charging Current	100A		140A
GENERAL			
PHYSICAL			
Dimension,W*D*H	350*110*420mm		390*130*530mm
Cartoon Dimension,W*D*H(mm)	415*180*500mm		463*205*618mm
Net Weight (kgs)	8.9kgs		14.7kgs
Gross Weight(kgs)	10.0kgs		16.2kgs
INTERACE			
Communication Port	RS232/RS485/WIFIGPRS/LITHIUM BATTERY		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10℃~50℃		
STANDARD			
Compliance Safety	CE		

Testing conditions are based on temperature 25℃ at the beginning of life.
Product specifications are subject to change without further notice.



ON / OFF GRID IP65 HYBRID INVERTER

PIHL6KS-S / PIHL8KS-S



Easy For Installation

- The product has a compact and robust design, Easy installation for contractor or home owner.



Smart BMS

- The inverter supports BMS communication.



IP65 Protection Level

- IP65, fanless design,long lifespan.



Intelligent working mode

- This inverter has a variety of intelligent ways of working.



UPS function

- With UPS function,switch time<10ms.



Remote monitoring

- Remote monitoring via APP or Web.

MODEL	PIHL6KS-S		PIHL8KS-S
INVERTER INPUT /OUTPUT (GRID)			
Rated Power	6kW		8kW
Rated Voltage	220/230/240Va.c.,L+N+PE		
Rated Frequency	50 Hz / 60 Hz		
Power Factor Range	0.8 leading~ 0.8 lagging		
Switch Time	<10 ms		
Current (Maximum Continuous)	26.1 A a.c.	34.7 A a.c.	
Max. Output Overcurrent Protection	250 Va.c./63 Aa.c.		
BATTERY			
Battery Type	Lithium / Lead-acid		
Battery Voltage Range	45~58V d.c.		
Rated Battery Voltage	51.2 V d.c.		
Max. Charge Current	143 A d.c.	195 A d.c.	
Max. Discharge Current	143 A d.c.	195 A d.c.	
Reverse Connect Protection	Yes		
PV INPUT			
No. of MPPT Tracker / Strings	2/1+1		
Max. PV Array Power	9.0 kW	12.0 kW	
Max. DC Voltage	550Vd.c.		
MPPT Voltage Range	120~500Vd.c.		
Start-up Voltage	120 V d.c.		
Max. Input Current	16+ 16A d.c. (8 kW: 18+ 18 A d.c.)		
Isc PV (Absolute Maximum)	24+24A d.c.		
AC OUTPUT (EPS)			
EPS Rated Output Voltage	220/230/240Va.c.,L+N+PE		
EPS Rated Output Frequency	50 Hz/60 Hz		
EPS Rated Output Active Power	6 kW	8 kW	
EPS Rated Output Apparent Power	6 kVA	8 kVA	
EPS Rated Output Current	26.1 A a.c.	34.7 A a.c.	
Overload Capacity (Off Grid)	120% 60s / 150% 30s / 200% 10s		
EFFICIENCY			
MPPT Efficiency	99.90%		
Euro-efficiency	97.00%		
Max. Efficiency	97.80%		
PROTECTION & FEATURE			
Insulation Monitoring	Yes		
Residual Current Monitoring	Yes		
Parallel Function	Yes		
Protection Degree	IP65		
Certifications	CE10-21,EN 50549-1,VDE-AR-N 4105, UNE 217002,NTSTYPEA, G99,AS/NZS 4777.2		
Other Protection	Overload, Over temperature, Shortcircuit, Active anti-islanding method		
GENERAL PARAMETER			
Storage Temperature	-25°C~+60°C		
Operating Temperature	-25°C~+60°C(Linely derating to 80% when exceed +45°C~ +60°C)		
Humidity	0-100% (Non-condensing)		
Operating Altitude	2000 m (>2000 m Derating)		
Noise	<35 dB		
Machine Dimensions (W*D*H)	506*206*556 mm		
Machine Weight / N.W.	25.6 kgs	27 kgs	
DISPLAY&COMMUNICATION			
Display	LED + APP		
Interface	CAN /RS485/Bluetooth /WiFi/4G/DRM (Optional)		

Testing conditions are based on temperature 25°C at the beginning of life.
Product specifications are subject to change without further notice.



ALL-IN-ONE AIR COOLING ESS

PATBS064 / 107



Safe And Stable

- LiFePO4 battery Cell.
- 10000 times cycle life.



High Efficiency Air Cooling

- Air-cooled temperature control, efficient cooling.
- Optimize air duct design and use efficient fans.



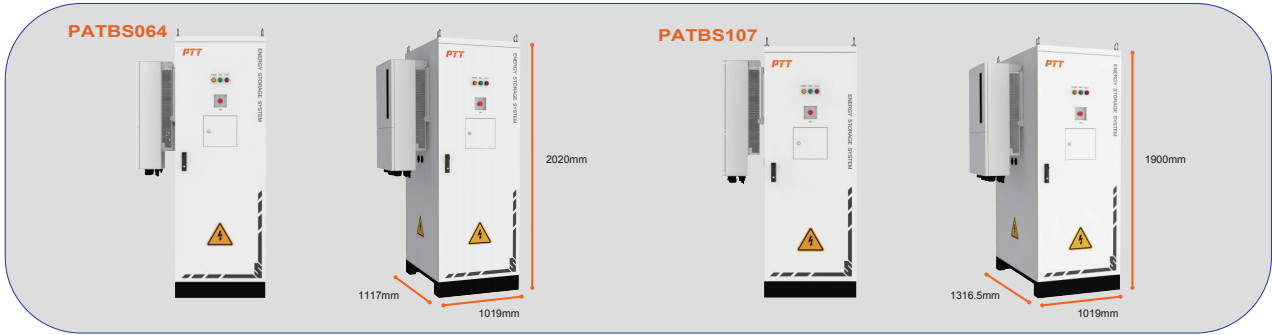
Flexible Configuration

- Support parallel connection of multiple machines for AC measurement.
- Adapt to the commercial and industrial side of multi-scene applications.



Smart And Friendly

- Intelligent cloud system, remote monitoring and fault uploading.
- Large LCD touch screen, real-time control of offline system.



MODEL	PATBS064	PATBS107
AC (On Grid)		
Rated Power	30kW	50kW
Rated Voltage	380V	
Max. Output Current	45.6A	72.2A
Voltage Deviation	-10%~+15%	
Rated Frequency	50 / 60Hz	
THDi	<3% linear load	
Power Factor	-0.8 lagging~0.8 leading	
AC Connection	3W+N	
Overload Capacity	1.2Pn lasts for 1 minute	
AC (Off Grid)		
Rated Power	30kW	50kW
Rated Voltage	380V	
Max. Output Current	45.6A	72.2A
THDu	<3% linear load	
Rated Frequency	50 / 60Hz	
Photovoltaic Input		
PV Voltage Range	150~850V	
Battery		
Battery Type	LiFePO4	
Battery Voltage Range	500~730V.DC	300~438V.DC
Energy Capacity	64kWh	107kWh
General Data		
Dimension	1019 (L)*1117 (W)*2020 (H)	1019 (L)*1316.5 (W)*1900 (H)
Weight	≤1200kgs	≤1500kgs
Operating Temperature	-20℃ to 55℃	
Relative Humidity	0 ~95% Non-Condensing	
Ingress Protection	IP54	
Noise Emission	<70dB	
Altitude	4,000m (>2,000 Derating)	
Cooling	Air Cooling	
Display And Communication		
Display	LCD Touch-Screen	
BMS Communication	RS485, CAN	
EMS Communication	RS485, TCP / IP	
Standard		
Standrad	GB/T 34120-2017 GB/T 34133-2017 EN 62477、 EN IEC 61000	

In off-grid operation scenarios, the minimum DC voltage is not less than 680V.DC.
Product specifications are subject to change without further notice.



C&I ESS-Air cooling

PATBS215 / 242



Safe And Stable

- LiFePO4 battery Cell.
- 10000 times cycle life.



Flexible Configuration

- Support parallel connection of multiple machines for AC measurement.
- Adapt to the commercial and industrial side of multi-scene applications.



High Efficiency Air Cooling

- Air-cooled temperature control, efficient cooling.
- Optimize air duct design and use efficient fans.



Smart And Friendly

- Intelligent cloud system, remote monitoring and fault uploading.
- Large LCD touch screen, real-time control of offline system.

MODEL	PATBS215		PATBS242
AC (On Grid)			
Rated Power	100kW / 125kW		
Rated Voltage	400V		
Max. Output Current	174A / 218A		
Voltage Deviation	-10%~+15%		
Rated Frequency	50 / 60Hz		
THDi	<3% linear load		
Power Factor	1 lagging~1 leading		
AC Connection	3W+N		
Overload Capacity	1.2Pn lasts for 1 minute		
AC (Off Grid)			
Rated Power	100kW / 125kW		
Rated Voltage	400V		
Max. Output Current	173A / 218A		
THDu	<3% linear load		
Rated Frequency	50 / 60Hz		
Photovoltaic Input			
PV Voltage Range	150~600V		
Battery			
Battery Type	LiFePO4		
Battery Voltage Range	600~876V.DC		
Energy Capacity	215kWh	242kWh	
General Data			
Dimension	1440 (L)*1300 (W)*2090 (H)		
Weight	≤2500kgs		
Operating Temperature	-20℃ to 55℃		
Relative Humidity	0 ~95% Non-Condensing		
Ingress Protection	IP54		
Noise Emission	<70dB		
Altitude	4,000m (>2,000 Derating)		
Cooling	Air Cooling		
Display And Communication			
Display	LCD Touch-Screen		
BMS Communication	RS485, CAN		
EMS Communication	RS485, TCP / IP		
Standard			
Stardard	GB/T 34120-2017		
	GB/T 34133-2017		
	EN 62477、 EN IEC 61000		

In off-grid operation scenarios, the minimum DC voltage is not less than 680V.DC.
Product specifications are subject to change without further notice.



C&I ESS-Liquid cooling

PLTBS215 / 233 / 242 / 261



Safe And Stable

- LiFePO4 battery Cell.
- 10000 times cycle life.



Flexible Configuration

- Support parallel connection of multiple machines for AC measurement.
- Adapt to the commercial and industrial side of multi-scene applications.



High Efficiency Liquid Cooling

- Liquid-cooled temperature control, efficient cooling.
- Optimize air duct design and use efficient fans.



Smart And Friendly

- Intelligent cloud system, remote monitoring and fault uploading.
- Large LCD touch screen, real-time control of offline system.

MODEL	PLTBS215	PLTBS233	PLTBS242	PLTBS261
AC (On Grid)				
Rated Power	100kW / 125kW			
Rated Voltage	400V			
Max. Output Current	174A / 218A			
Voltage Deviation	-10%~+15%			
Rated Frequency	50 / 60Hz			
THDi	<3% linear load			
Power Factor	1 lagging~1 leading			
AC Connection	3W+N			
Overload Capacity	1.2Pn lasts for 1 minute			
AC (Off Grid)				
Rated Power	100kW / 125kW			
Rated Voltage	400V			
Max. Output Current	173A / 218A			
THDu	<3% linear load			
Rated Frequency	50 / 60Hz			
Photovoltaic Input				
PV Voltage Range	150~600V			
Battery				
Battery Type	LiFePO4			
Battery Voltage Range	600~876V.DC			
Energy Capacity	215kWh	233kWh	242kWh	261kWh
General Data				
Dimension	1300 (L)*1360 (W)*2090 (H)			
Weight	≤2500kgs			
Operating Temperature	-20°C to 55°C			
Relative Humidity	0 ~95% Non-Condensing			
Ingress Protection	IP54			
Noise Emission	<70dB			
Altitude	4,000m (>2,000 Derating)			
Cooling	Liquid Cooling			
Display And Communication				
Display	LCD Touch-Screen			
BMS Communication	RS485, CAN			
EMS Communication	RS485, TCP / IP			
Standard				
Standard	GB/T 34120-2017 GB/T 34133-2017 EN 62477、EN IEC 61000			

In off-grid operation scenarios, the minimum DC voltage is not less than 680V.DC.
Product specifications are subject to change without further notice.



MOBILE LIGHT TOWER

PMLT400G / 600G / 800G



Long Cycle Life

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Ultra Safety

- Advanced battery management system for safe and efficient operation.



Efficient Mono Solar Panels

- Efficient monocrystalline silicon solar panels with foldable design for maximum power generation efficiency.



Move Easily

- Trailer design, allowing for easy towing and quick access to the intended location.



High Charge & Discharge Rate

- The product has high efficiency, high speed and stable performance during charging and discharging.



High Efficiency Lighting

- High luminous efficiency LED lamps, lighting Angle can be adjusted, optional multiple luminous Angle lenses.



PMLT400G



PMLT600G



PMLT800G

MODEL	PMLT400G	PMLT600G	PMLT800G
Solar System			
PV Power/Unit	300W	300W	444W
PV	Monocrystalline Silicon Solar Panel		
Quantity(pcs)	3	5	5
PV Power/System	900W	1500W	2200W
LED Lamp			
Input Voltage	220V		
LED Power	4×100W	4×150W	4×200W
CCT	4000K / 5000K / 6000K		
Ingress Protection	IP66		
Beam Angle	90°		
CRI(Ra)	>70		
Efficiency(lm/W)	150lm/W		
LED Luminous Flux	60000lm	90000lm	120000lm
Working Temperature	-20℃~50℃		
Working Time(Battery Energy)	>12h		
AC Output			
AC Output Watt	3000W		
AC Output Voltage	AC220V		
AC Output Current	13A		
Battery System			
Type	Lithium iron phosphate battery		
Capacity For Unit	25.6V / 100Ah		
Number of battery packs	2	3	4
Capacity For System	5120Wh / 25.6V	7680Wh / 25.6V	10240Wh / 25.6V
Cycle Time	≥6000 Cycles @ 25℃, 0.5C, 90% DOD		
Diesel Generator			
Rated Power	1.8kW	1.8kW	2.8kW
Maximum Power	2kW	2kW	3kW
Rated Voltage	220V		
Frequency	50HZ		
Capacity	15L		
Fuel Consumption	26g / h		
Mast System			
Height (Fully Extended)	4m / 7m / 9m Optional		
Lifting Type	Manual / Electric (Optional)		
Other Specification			
Trailer System	On road type, one axle, with driving brake & parking brake		
Trailer Speed	≤25 km/h		
Irradiation Distance	2000-20000m²		
Socket	AC In*1、AC Out*2		
Dimension	2400*1415*2040mm	2520*1415*2040mm	2520*1520*2620mm
Standard			
Stardard	GB/T 34120-2017 GB/T 34133-2017 EN 62477、EN IEC 61000		

Product specifications are subject to change without further notice.

Testing conditions are based on temperature 25°C at the beginning of life.



MOBILE LIGHT TOWER

PMLT400 / 600 / 800



Long Cycle Life

- The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Ultra Safety

- Advanced battery management system for safe and efficient operation.



Efficient Mono Solar Panels

- Efficient monocrystalline silicon solar panels with foldable design for maximum power generation efficiency.



Move Easily

- Trailer design, allowing for easy towing and quick access to the intended location.



High Charge & Discharge Rate

- The product has high efficiency, high speed and stable performance during charging and discharging.



High Efficiency Lighting

- High luminous efficiency LED lamps, lighting Angle can be adjusted, optional multiple luminous Angle lenses.



PMLT400



PMLT600



PMLT800

MODEL	PMLT400	PMLT600	PMLT800
Solar System			
PV Power/Unit	300W	300W	444W
PV	Monocrystalline Silicon Solar Panel		
Quantity(pcs)	3	5	5
PV Power/System	900W	1500W	2200W
LED Lamp			
Input Voltage	220V		
LED Power	4×100W	4×150W	4×200W
CCT	4000K / 5000K / 6000K		
Ingress Protection	IP66		
Beam Angle	90°		
CRI(Ra)	> 70		
Efficiency(lm/W)	150lm/W		
LED Luminous Flux	60000lm	90000lm	120000lm
Working Temperature	-20℃~50℃		
Working Time(Battery Energy)	> 12h		
AC Output			
AC Output Watt	3000W		
AC Output Voltage	AC220V		
AC Output Current	13A		
Battery System			
Type	Lithium iron phosphate battery		
Capacity For Unit	25.6V / 100Ah		
Number of battery packs	2	3	4
Capacity For System	5120Wh / 25.6V	7680Wh / 25.6V	10240Wh / 25.6V
Cycle Time	≥6000 Cycles @ 25℃, 0.5C, 90% DOD		
Mast System			
Height (Fully Extended)	4m / 7m / 9m Optional		
Lifting Type	Manual / Electric (Optional)		
Other Specification			
Trailer System	On road type, one axle, with driving brake & parking brake		
Trailer Speed	≤25 km/h		
Irradiation Distance	2000-20000m²		
Socket	AC In*1、 AC Out*2		
Dimension	1854*1250*2015mm	1974*1250*2015mm	2650*1250*2014.5mm
Standard			
Standard	GB/T 34120-2017 GB/T 34133-2017 EN 62477、 EN IEC 61000		

Product specifications are subject to change without further notice.

Testing conditions are based on temperature 25°C at the beginning of life.



SINGLE PHASE MOBILE HYBRID POWERSTATION

PMHPS5KW / 10KW



Long Cycle Life
• The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Ultra Safety
• Advanced battery management system for safe and efficient operation.



Efficient Mono Solar Panels
• Efficient monocrystalline silicon solar panels with foldable design for maximum power generation efficiency.



Move Easily
• Trailer design, allowing for easy towing and quick access to the intended location.



High Charge & Discharge Rate
• The product has high efficiency, high speed and stable performance during charging and discharging.



Power Generation Mode
• Photovoltaic power generation or diesel&gasoline generators can be used for power generation.

MODEL	PMHPS5KW	PMHPS10KW
Solar Panel		
Maximum Power	575W	
Qty	5pcs	5pcs
Extending Type	Folding/Sliding	
Generator (Optional)		
Rated Generator Output Power	5kW	10kW
Rated Generator Output Voltage	AC230V	
Rated Speed(R/M)	2200	2200
Starting System	Electric Start	
Engine Oil Capacity (L)	1.65	5
Ongoing Work (h)	12	
Dynamic Formation	Gasoline / Diesel	
Hybrid Inverter System		
AC Output Voltage	AC230V	
Max.Ac Charger/Discharge Current	100A	
Max.Conversion Efficiency	93.50%	
AC Output Power	5kW	10kW
AC Output Voltage	AC230V	
AC Output Current	22.7A	45.4A
Frequency	50/60Hz	
Energy Storage Battery		
Battery Type	LFP(LiFePO4)	
Single Battery Pack Capacity	5.12kWh	
Single Battery Voltage	51.2V.DC	
Battery Pack Qty	2pcs	4pcs
Total System Capacity	10.24kWh	20.48kWh
Discharge Depth	90%	
Wind Power(Optional)		
Rated Power	400W	
Start-up Wind Speed	2m/s	
Rated Wind Speed	10m/s	
Survival Wind Speed	45m/s	
Qty	2pcs	
Cooling System		
Exhaust Air Volume	492CFM	
Rated Power	48W	
Rated Voltage	48V.DC	
Max. Noisa Leve	68dB(A)	
Fans Qty	1pcs	2pcs
Standard		
Stardard	GB/T 34120-2017 GB/T 34133-2017 EN 62477、 EN IEC 61000	

Product specifications are subject to change without further notice.
Testing conditions are based on temperature 25°C at the beginning of life.



THREE PHASE MOBILE HYBRID POWERSTATION

PMHPT10KW / 20KW / 3KW



Long Cycle Life
• The battery adopts lithium iron phosphate battery, which has excellent long cycle life.



Ultra Safety
• Advanced battery management system for safe and efficient operation.



Efficient Mono Solar Panels
• Efficient monocrystalline silicon solar panels with foldable design for maximum power generation efficiency.



Move Easily
• Trailer design, allowing for easy towing and quick access to the intended location.



High Charge &Discharge Rate
• The product has high efficiency, high speed and stable performance during charging and discharging.



Power Generation Mode
• Photovoltaic power generation or diesel&gasoline generators can be used for power generation.

MODEL	PMHPT10KW		PMHPT20KW	PMHPT30KW
Solar Panel System				
Single PV Power	575W			
PV Qty	5pcs	6pcs	8pcs	
Extending Type	Folding/Sliding			
Generator (Optional)				
Rated Generator Output Power	10kW	20kW	30kW	
Rated Generator Output Voltage	AC230V/380V			
Rated Speed(R/M)	2200	2200	1500	
Starting Type	Electric Start			
Engine Oil Capacity (L)	5	10	15	
Ongoing Work (h)	12			
Generator type	Gasoline / Diesel			
Hybrid Inverter System				
AC Input Voltage	AC230V/380V			
Max.Ac Charger/Discharge Current	80A			
Max.Conversion Efficiency	97.60%			
AC Output Power	10kW	20kW	30kW	
AC Output Voltage	AC220V / 380V			
AC Output Current	16.7A	33.5A	50.2A	
Frequency	50/60Hz			
Energy Storage Battery				
Battery Type	LFP(LiFePO4)			
Single Battery Pack Capacity	5.12kWh			
Single Battery Voltage	51.2 V.DC			
Battery Pack Qty	2pcs~4pcs	4pcs~8pcs	6pcs~12pcs	
Total Battery Capacity	10.24kWh~20.48kWh	20.48kWh~40.96kWh	30.72kWh~61.44kWh	
Discharge Depth	90%			
Cooling System				
Exhaust Air Volume	492CFM			
Rated Power	48W			
Rated Voltage	48V.DC			
Max. Noise Level	68dB(A)			
Fans Qty	2pcs	3pcs	4pcs	
Standard				
Stardard	GB/T 34120-2017 GB/T 34133-2017 EN 62477、 EN IEC 61000			

Product specifications are subject to change without further notice.
Testing conditions are based on temperature 25°C at the beginning of life.

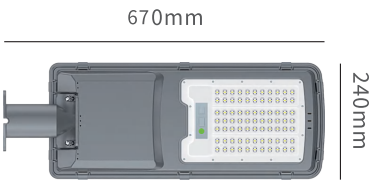
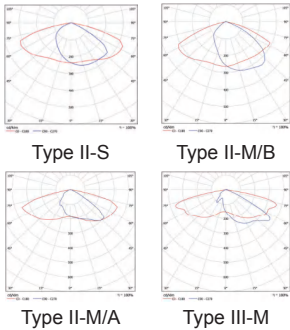
Key Characteristics

- Efficiency (lm/W): 200
- CCT: 2700-6500K
- CRI(Ra): > 70

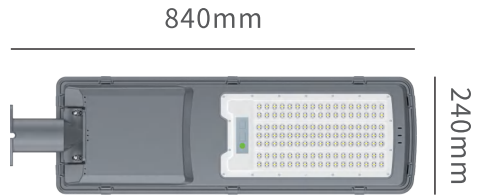
Construction

- Housing: High-grade galvanized sheet
- Battery Type: LiFePO4
- IP65

Light Distribution



PSL0101



PSL0102

SOLAR STREET LIGHT
PSL0101/0102

Sphere of Application

Widely used in highways, main roads, slip roads, parks, squares, garden roads, pedestrian streets, communities, factories, schools, a variety of residential areas, gardens and other roads.



Adjustable solar panel mounted angle



High efficiency: 200lm/W



Lithium Iron phosphate battery



Mono solar panel, 25 years lifetime



High-grade galvanized sheet



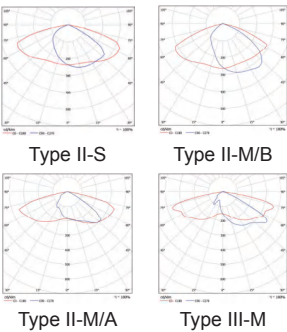
Key Characteristics

- Efficiency (lm/W): 200
- CCT: 2700-6500K
- CRI(Ra): > 70

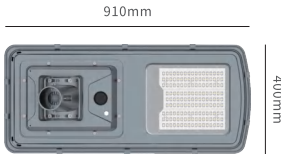
Construction

- Housing: High-grade galvanized sheet
- Battery Type: LiFePO4
- IP65

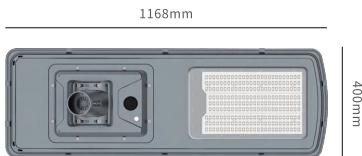
Light Distribution



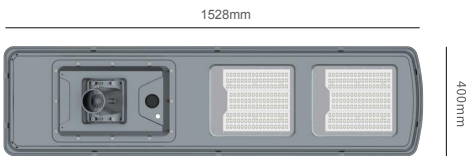
PSL02 SERIES



PSL0201



PSL0202



PSL0203

ALL-IN-ONE
SOLAR STREET LIGHT

PSL0201/0202/0203

Sphere of Application

Widely used in highways, main roads, slip roads, parks, squares, garden roads, pedestrian streets, communities, factories, schools, a variety of residential areas, gardens and other roads.



- Adjustable solar panel mounted angle
- High efficiency: 200lm/W
- Lithium Iron phosphate battery
- Mono solar panel, 25 years lifetime
- High-grade galvanized sheet

Item	Solar Panel	Luminous Flux	Battery Capacity	Lamp Size	LED Quantity
PSL0201	65W	12000 lm	50AH	910*400*280mm	150 pieces
PSL0202	90W	16000 lm	72AH	1168*400*280mm	213 pieces
PSL0203	120W	20000 lm	100AH	1528*400*280mm	300 pieces



PSL16 SOLAR STREET LIGHT

Sphere of Application

Widely used in highways, main roads, slip roads, parks, squares, garden roads, pedestrian streets, communities, factories, schools, a variety of residential areas, gardens and other roads.



- Adjustable solar panel mounted angle
- High efficiency:200lm/W
- Lithium Iron phosphate battery
- Mono solar panel, 25 years lifetime
- Die casting aluminum housing
- Mounted pole diameter:60-80mm



PSL16 SERIE



CB ENEC IP

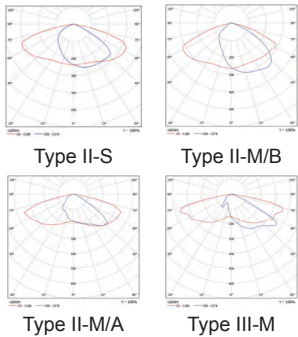
Key Characteristics

- Efficiency (lm/W): 200
- System Voltage (V): 12/24
- CCT: 2700-6500K
- CRI(Ra): > 70
- PV Voltage(V): 18/36

Construction

- Housing: Die-casting aluminum
- Battery Type: LiFePO4
- Warranty: 3~5 years
- IP66

Light Distribution



Item	Solar Panel	System Voltage	Battery Capacity	Luminous Flux	LED Brand
PSL1601	monocrystalline 18V 40W	12V	12.8V 18AH	6000lm	San'an/Bridgelux LED chip
PSL1602	monocrystalline 18V 50W	12V	12.8V 24AH	8000lm	
PSL1603	monocrystalline 18V 60W	12V	12.8V 30AH	10000lm	
PSL1604	monocrystalline 18V 80W	12V	12.8V 36AH	12000lm	
PSL1605	monocrystalline 18V 100W	12V	12.8V 42AH	16000lm	
PSL1605-1	monocrystalline 18V 100W	12V	12.8V 42AH	16000lm	
PSL1606	monocrystalline 36V 120W	24V	25.6V 24AH	20000lm	
PSL1606-1	monocrystalline 36V 120W	24V	25.6V 24AH	20000lm	
PSL1607	monocrystalline 36V 150W	24V	25.6V 30AH	24000lm	
PSL1608	monocrystalline 36V 180W	24V	25.6V 36AH	30000lm	
PSL1609	monocrystalline 36V 240W	24V	25.6V 48AH	40000lm	