PARWATT

All effort for a sustainable future

CONTENT


C01


P01

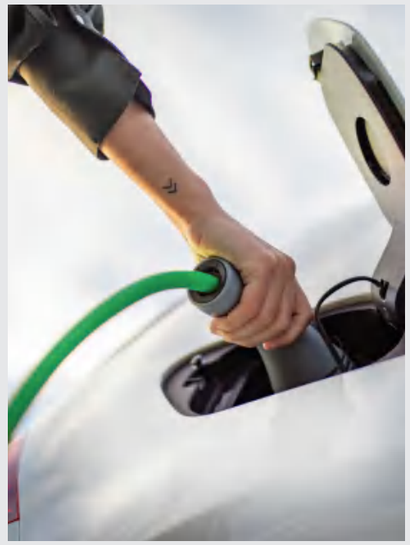
D30

P-Station 320

Meta+

Meta

P-CANNON-300

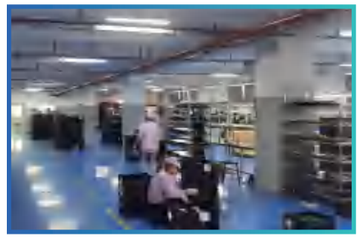


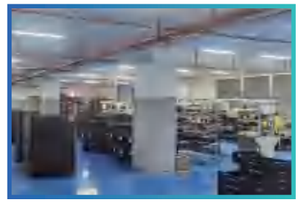
COMPANY INTRODUCTION

Xiamen Parwatt new energy technology co.,lt, an group composite of couples dedicated electrical engineers, established in January of 2023.
During Year 2024, was awarded as China national-level technology-oriented enterprise.

Company EV charging solutions:
Home EV charger, Ultra rapid EV charger, Battery-integrated mobile EV charger etc.

Market position:
Competitive OEM & ODM supplier on rapid EV charging solutions.





P01/P02

Portable EV charger

P01-S16(3.5-7KW)

Safe and reliable
Over current/Over heat multiple protection

More coveninet
Good compatibility, plug and play

Multi level charging current

Scheduling charging
According to peak-valley electricity price

Small and beautiful apperance
Wall mounted/portable

Waterproof, dustproof, flame retardant

CE GB RoHs

FLEXIBLE OPTION

·Portable type design, easily to carry
·Can be charged using home AC socket
·Cable length 5 meters (can be customized)

HIGH TEXTURE DESIGN

·Multi color indicator + OLED screen
·Current adjustment with touching buttons
·Customizable display screen

RELIABLE AND SAFETY

·Type A 30mA + 6mA DC leakage protection
·Multiple protection based on software and hardware
·CE(EU), GB(China), ROHS approved

P02 (with display)

P01

ELECTRICAL PARAMETERS

Item		P01/P02-S16	P01/P02-S32Maxi
mum Power		3.5kW/16A	7kW/32A
Phase		Single	
Voltage Range		AC230V±10%	
Frequency		50/60Hz	
Output Current		⩽16A	⩽32A
Basic info	Cable Length	Standard 5 meters (can be customized)	
	Connector	Type 2(EU)	
	Display screen	3.5’ LCD (Only EP02)	
	Dimension	210mm×90mm×48mm(H*W*D)	
	Flame Retardant Grade	UL94V-0	
	Colour	Black(Front)+Black(Back) or OEM Color	
	Indicator	√	
	Display	√	
	Schedule Charging	√	
Safety	Net Weight	2.4kg	3.7kg
	Ingress Protection	IP65, IK08	
	Residual Current Protection	Type A 30mA + 6mA DC	
	Overload Protection	√	Over/Under Voltage Protection √
	Shot Circuit Protection	√	Earthing Leakage Protection √
	Ground Protection	√	Surge Protection √
	Over Temperature	√	
	Standard	IEC 61851-1: 2017; IEC 62196-1/2	
Enviroment	Installation	Wall Monted/Portable	
	Storge Temperature	-40~75℃	Work Temperature -30~55℃
	Humidity	5%~95%	Noise ＜50dB
	Vibration	＜0.5g No Severe Vibration Impact	
	Altitude	<2000m	

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CE GB RoHs

C01

Wall-mounted EV Charger

C01 (7-22KW)

4G optional for any location

Wi-Fi & BT convenient home use

High precision electricity metering function

Schedule charging support
Set the time for EV charging via APP.

Smart App with full function

Complete charging log recording function

FLEXIBLE OPTION

- Multiple startup charging methods
- Wall-mount or floor stand installation
- The length of the charging cable can be flexibly selected/customized to any length (15m max, 5m typical)

HIGH TEXTURE DESIGN

- Multi color front cover optional
- Support color customization
- Multi color indicator light
- Optional design for display screens

RELIABLE AND SAFETY

- Type A 30mA + 6mA DC leakage protection
- Multiple protection based on software and hardware
- CE(EU), GB(China), ROHS approved

ELECTRICAL PARAMETERS

Item	P-S32	P-T16	P-T32Amper/
power	7KW/32A	11KW/16A	22KW/32A
Voltage	AC230V±10% Single Phase		AC400V±10% Three Phase
Basic info	Cable Length	5m/customized	
	Connector	GB(CN) / Type 2(EU)	
	Dimension(H*W*D)	330mm×204mm×88mm	
	Flame Retardant Grade	UL94V-0	
	Colour	BLACK Front + Back or OEM Color	
	Indicator	√	
	Display	Optional	
Features	Bluetooth	√	
	RFID	√	
	Wi-Fi	2.4GHz	
	4G	Optional	
	Schedule Charging	√	
	Electricity Metering	√	
	App	√	
Safety	Ingress Protection	IP65, IK08	
	Residual Current Protection	Type A 30mA + 6mA DC	
	Overload Protection	√	Over/Under Voltage Protection √
	Shot Circuit Protection	√	Earth Leakage Protection √
	Over Temperature	√	Surge Protection √
	Emergency Stop	√	
	Cetification	CQC/CE/ROHS	
	Cetification Dtandard	GB/T18487.1/IEC 61851-1	
Enviroment	Installation	Wall / Pole mounted	
	Storge Temperature	-40~75℃	
	Work Temperature	-30~55℃	

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P-Cannon-300

Battery-buffered Ultra Rapid EV charger

Advantange

No need grid utility upgrade (Fast deploy)

- Elimiate costly substation upgrades ($3 Million saving)
- Deploy in areas with limited grid capacity
- Avoid 3-5 years grid upgrade timelines.

Dynamic Power Sharing (With smart EMS)

- Optimizes energy distribution between grid power (off-peak charging) and battery recharge (peak demand)
- Reduces energy costs by 30-50% through:
  -Peak shaving
  -Demand charge avoidance

Flexible Extension

Support power modules and energy-stroage module extension to meet increasing charging demand.

Future-proof

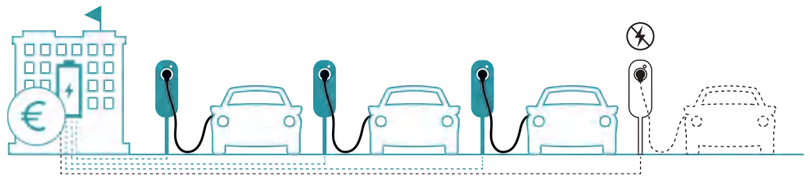
Upgrade the system without local grid infrastructure upgrade ()

Photovoltaics Function

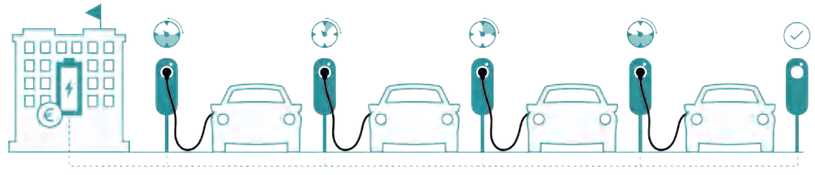
An external DC/DC power module with MPPT function make available to use photovoltaics energy.

Power sharing

Without Power Sharing



With Power Sharing



ELECTRICAL PARAMETERS

Battery Energy Storage System	Specifications
Battery Type	LiFePO4
Dimension (W × D × H)	≤ 1000× 1500×2000mm
Battery Energy(BoL, Beginning of Life)	150kWh - 215 kWh
Cycle Life	6,000 cycles @ 70% SOH or ≥8 years
Battery Voltage Range	580V-864V
Rated Voltage	700V
Max Charge & Discharge	1 C
Battery Capacity	280Ah
Cooling	Liquid-cooled/Air-cooled
Communication	Modbus TCP

Power cabinet	Specifications
Dimension (W × D × H)	≤ 1000× 1500×2200mm
Operating Temperature	-25℃~55℃
Output Voltage	200Vdc-1000Vdc
Max. Output Power	600kW
Power Configuration	Bidirectional AC/DC: approx. 125-250kW; DC/DC: 300-600kW
Input Voltage / Frequency	1 ×400Vac (±10%), 3-phase + N + PE (50Hz±1Hz)
Communication	Ethernet/CAN/RS485, 4G/LTE, Wi-Fi (Optional)
Noise	<60dB@1m
Work Mode	Grid-tied & off-grid
Noise	<55dB@1m with hardware silencer at normal mode; <45dB@1m at Eco mode; <35dB@1m at silent mode at night
Cooling	Air-cooled/Liquid-cooled

600A Liquid cooling dispenser	Specifications
Charging Connector Number	1 (CCS2)
Output Voltage	200Vdc-1000Vdc
Max. Output Power	480kW
Output Current	600A
Cooling	Liquid-cooling
Power Distribution	Dynamic distribution
Operating Temperature	-25℃~55℃
Relative Humidity	≤95%, no condensation
Noise	<60dB@1m
Protocol	OCPP 1.6J/2.0
Authentication	POS machine (CCV/Apollo Payter, etc.)

250A Fan cooling dispenser	Specifications
Charging Connector Number	2 (CCS2)
Output Voltage	200Vdc-1000Vdc
Max. Output Power	150kW
Output Current	250A continuously
Cooling	Air-cooled
Power Distribution	Dynamic distribution
Operating Temperature	-25℃~55℃
Relative Humidity	≤95%, no condensation
Noise	<60dB@1m
Protocol	OCPP 1.6J/2.0
Authentication	POS machine (CCV/Apollo Payter, etc.)

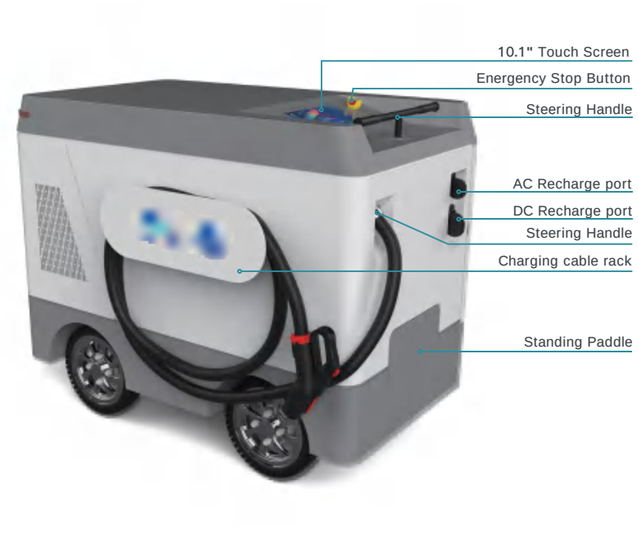
Meta+

Mobile EV charger with Battery

Power output 46-60kW·h

Meta+ mobile EV charger is a highly adaptable Electric Vheicle Supply Equipment (EVSE).

It is not just an DC charging station, but also with battery integrated, so it can move anywhere request charging.



KEY STRENGTHS

DC Fast Charging

Output power reach 46-60kW to provide wonderful charging experience.

AC Power Source

Can work as battery for providing AC power supply (AC 240-380V)

Max. Utilization Of parking space

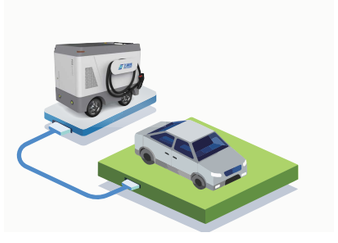
With no change to a parking facility to meet the EV charging need.

Flexible battery recharge methods

Flexible choose AC & DC power for battery recharging.

▸▸▸ CAR INSURANCE

▸▸▸ OPPORTUNITY CHARGING



▸▸▸ EMERGENCY CHARGING

ELECTRICAL PARAMETERS

Basic Parameters	Meta+ 46kW	Meta+ 60kW
EV Charging Power/ Battery Energy	46kW / 46 kW·h	60kW / 60 kW·h
Dimension (W*D*H)	1500*800*1250mm	
Weight	600 kg	810 kg
Ingress Protection Level	IP54	
Power Output System	**Meta+ 46kW**	**Meta+ 60kW**
EV Charging Voltage	200-1000V DC (Constant power voltage: 400-1000 V DC)	
EV Charging Current	150A	250A
Charging Connector Type	GB/T, CCS2 (5 meters)	
Charging Authentication	Plug & Charge	
AC Power Output	AC 240V - 380V	
Battery Recharging System	**Meta+ 46kW**	**Meta+ 60kW**
Battery Power Capacity	46 kW.h	60 kW.h
AC Recharge Voltage / Frequency	Three-phase 400V AC ± 10% (50/60Hz)	
AC Recharge Power	40kW	
DC Recharge Voltage (Optional)	400-490V DC	540 - 650V DC
DC Recharge Power (Optional)	Max. 46kW DC (Optional)	Max. 60kW DC (Optional)
Recharge ports	GB/T, CCS2 (5 meters)	
Battery Type	LiFePO4	
Ingress Protection Level	IP67	
Battery Cooling System	Liquid-cooling	
Driving Unit	**Meta+ 46kW**	**Meta+ 60kW**
Moving Mode	800W motor chassis, rear-wheels drive with front-wheel steering	
Radius of Turning	1.7 meters	
Working Temperature	-25°C ~ 55°C	
Working Humidity	≤95%	
Vibration	< 0.5g	
Noise	< 65 dB	
Working Altitude	< 2000 m	
Safety	Overload Protection	Over/Under Voltage Protection
	Surge Protection	Overload Protection
	Over Temperature	Insulation On-line Monitoring
	Emergency Stop	
	Certification Standard	GB/T18487.1/IEC 61851-1/IEC62619

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Meta

Mobile EV charger without motor drive chassis

Power output 46-60kW h

Meta mobile EV charger is a highly adaptable Electric Vheicle Supply Equipment (EVSE).

It is not just an DC charging station, but also with battery integrated, so it can move anywhere request charging.

KEY STRENGTHS

DC Fast Charging

Output power reach 46-60kW to provide wonderful charging experience.

AC Power Source

Can work as battery for providing AC power supply (AC 240-380V)

Max. Utilization Of parking space

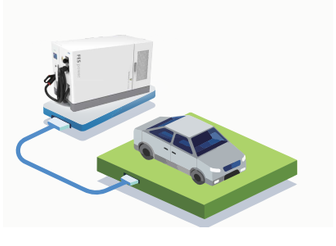
With no change to a parking facility to meet the EV charging need.

Flexible battery recharge methods

Flexible choose AC & DC power for battery recharging.

CAR INSURANCE

OPPORTUNITY CHARGING



EMERGENCY CHARGING

ELECTRICAL PARAMETERS

Basic Parameters	Meta 46kW	Meta 60kW
EV Charging Power/ Battery Energy	46kW / 46 kW·h	60kW / 60 kW·h
Dimension (W*D*H)	1500*800*880mm	
Weight	510 kg	710 kg
Ingress Protection Level	IP54	
Power Output System	**Meta 46kW**	**Meta 60kW**
EV Charging Voltage	200-1000V DC (Constant power voltage: 400-1000 V DC)	
EV Charging Current	150A	250A
Charging Connector Type	GB/T, CCS2 (5 meters)	
Charging Authentication	Plug & Charge	
AC Power Output	AC 240V - 380V	
Battery Recharging System	**Meta 46kW**	**Meta 60kW**
Battery Power Capacity	46 kW.h	60 kW.h
AC Recharge Voltage / Frequency	Three-phase 400V AC ± 10% (50/60Hz)	
AC Recharge Power	40kW	
DC Recharge Voltage (Optional)	400-490V DC	540 - 650V DC
DC Recharge Power (Optional)	Max. 46kW DC (Optional)	Max. 60kW DC (Optional)
Recharge ports	GB/T, CCS2 (5 meters)	
Battery Type	LiFePO4	
Ingress Protection Level	IP67	
Battery Cooling System	Liquid-cooling	
Others parameters	**Meta 46kW**	**Meta 60kW**
Working Temperature	-25°C ~ 55°C	
Working Humidity	≤95%	
Vibration	< 0.5g	
Noise	< 65 dB	
Working Altitude	< 2000 m	
Safety	Overload Protection	Over/Under Voltage Protection
	Surge Protection	Overload Protection
	Over Temperature	Insulation On-line Monitoring
	Emergency Stop	
	Certification Standard	GB/T18487.1/IEC 61851-1/IEC62619

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T-Station 320

Mobile battery-buffered EV charging

Expandable to 520kW'h
2*260kW'h liquid-cooled lithium-ion battery

KEY STRENGTHS

Charing Experience Upgrade

Upto as much as 300-600kW power output for EV charging.

Parking Charging

Without any change to the existing parking facilities to meet ultra fast high power EV charging need.

Flexible Extension

Support energy-stroage module extension to achieve higher peaking time charging demand.

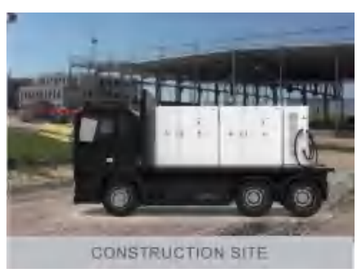
AC & DC power for battery recharge

It integrated with AC& DC power conversion modules, which allow system to accept AC or DC power source for recharging.

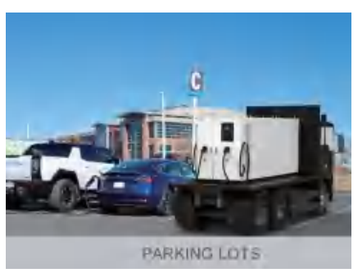
Photovoltaics Function

An external DC/DC power module with MPPT function make available to use photovoltaics energy.

Application scenarios


CONSTRUCTION SITE


MINES


PARKING LOTS

ELECTRICAL PARAMETERS

Energy Storage System	
Battery Capacity(kWh)	261
Battery Charging Rate	≤0.5C
Battery Discharge Rate	≤0.8C
Battery Efficiency	≥97%
Battery Module IP Rating	IP65
Battery Cooling System	Liquid-cooling
Thermal Control Management	Aerosol Extinguishing
Dimensions (W*D*H)	1800*1300*1750mm
Weight	2600kg

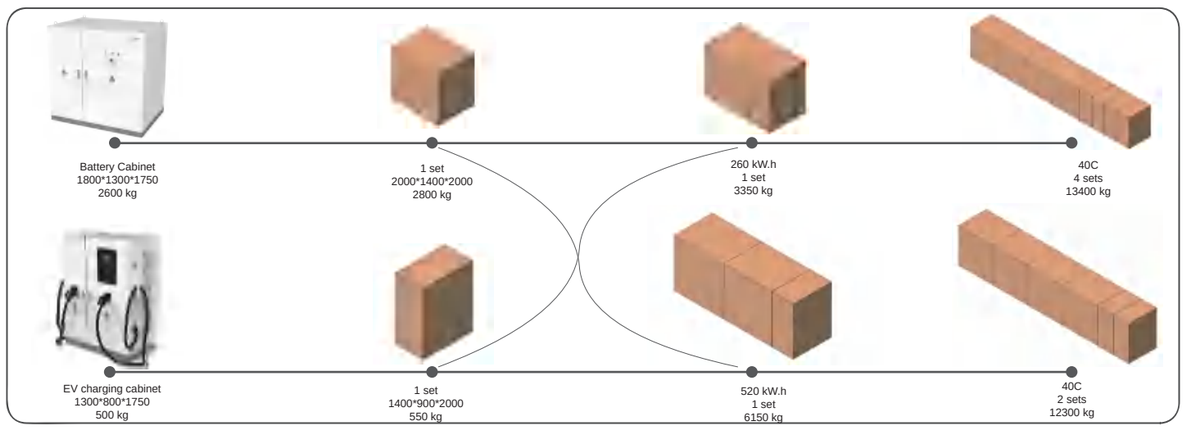
AC Input	
Rated AC Output Power(kW)	250
Max. AC Output Power(kVA)	266
Rated Output Voltage(Vac)	480
Output Voltage Range	-15%~+10%(settable)
Grid Frequency Range(Hz)	60Hz(settable)
Max. Output Current(A)	330.8
Power Factor	1 (leading) ~ 1(lagging)
Adjustable Power Factor	＞0.99
THDi	＜3%
Overloading Capability	110%

Standard	
Battery	UL9540A
EV charger	EN61851-1, EN61851-23
	EN61000-2/-4

Charging System	
Charging Type	DC fast charging
DC Output Power(kW)	240
DC Output Voltage(Vdc)	200~1000*
Maximum Current(A)	250
Distribution Systems	TN-S.TN-C, TN-C-S, TT (required external RCD)
Connector Type	3P +N + PE
Protection	over-current/over-voltage/under-voltage protection surge protection, grounding fault protection, leakage protection
Power Factor (Full Load)	≥0.99
THDi	<5%
Efficiency	≥ 94% (peak)
Dimensions (W*D*H)	1300*800*1750mm
Weight	500kg
	*Constant power from 300~1000

General Parameters	
Ambient Temperature	-25°C-50°C(over 45°C derating)
Humidity	≤95%, No condensation
Storage Conditions	–20°C to 30°C, Up to 95% RH, non-condensing State of Energy(SoE): 50% initial
Altitude	2000m
Noise Level @1m	<80 dB(A)
EMC Emission	Type A
System IP Rating	IP54

PACKING & SHIPPING DETAILS



CD30

DC EV charger 60/120KW

FES-CD30

ISO 15118
(Plug&Charge) enhances customer experience.

COMPATIBLE
CCS type 2 plug with 4M cable.

DURABILITY
IP54 and IK10 protection ratings, allowing for indoors or outdoors.

INTERACTION
7 inch touch screen with user friendly interface.

NETWORK
Complete with LAN & Wi-Fi &Ethernet connectivity, ensuring chargers are always online.

CONNECTIVITY
OCPP 1.6J help you connect EV charger to the cloud.

30kW Power Module ×4

Modular Design

·Integrated structural design Con-venient installation
·Flexible configuration and deplo–yment

40kW Power Module ×4

120kW

160kW

ELECTRICAL PARAMETERS

Model No.		D30-120	D30-160
AC Input	Number of phase/wire	3-Phase / L1,L2,L3,N,PE	
	Voltage Rating	380~415Vac	
	Max.Input Amperage	220A	300A
	Frequency	55Hz ±10Hz	
	Power factor	PF≥0.98@Rated load	
	Efficiency	>96%	
DC Output	Maximum Power	120KW	160KW
	Voltage Operating Range	200-1000V	
	Maximum Current	250A	
	Connector and Cable	CCS2 with 4M cable	
Function			
EV Communication		ISO 15118	
User Authentication		ISO 14443 A/B	
Display		7 inch touch screen	
Network		Ethernet,4G,Wi-Fi	
Connectivity		OCPP 1.6J	
Protection & Standard			
Certificate		CE	
Safety Compliance		IEC 61851-1,IEC 61851-21-2,IEC 61851-23,IEC61851-24	
Multiple Protection		OVP,UVP,OPP,OTP,SPD,RCD,IMD,OCP	
Warranty		2 years	
Environment			
Storage Temperature		-30℃ to 70℃	
Operating Temperature		-20℃ to 50℃	
Anti-vandalism		IK10(not include LCD &RFID cover)	
Ingression		IP54	
Relative Humidity		Up to 95%non-condensing	
Cooling		Forced Air	
Operating noise level		≤65dB	
Altitude		≤2000M	

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