



GREEN ENERGY SOLUTION

The best power for a better life





GREEN ENERGY SOLUTION

Fondata nel 1978 **CPE ITALIA** è un'azienda globale di **progettazione, produzione** ed è un integratore di sistemi, il gruppo oggi conta **350 dipendenti, 7 stabilimenti nel mondo, 3 centri di ricerca e sviluppo in Italia.**

Presente da sempre nel **settore delle telecomunicazioni** fornendo sistemi di interconnessione su rame e fibra ottica, sistemi integrati complessi ad alto contenuto tecnologico nei settori civili e della difesa militare.

Impegnata nella sfida globale per la salvaguardia del pianeta, crea soluzioni e prodotti sostenibili per l'ambiente e per il benessere del genere umano, fonda la nuova divisione green energy che nasce dal know how e dall'esperienza maturata nei settori della mobilità elettrica e dello stoccaggio dell'energia prodotta da fonti rinnovabili.

*Since 1978, **CPE ITALIA is a global designer, manufacturer and systems integrator** of copper and fiber optics interconnect solutions, integrated systems and electronic boards for consumer, industrial and defense applications.*

*The global footprint accounts **350 employees, 7 plants worldwide and 3 R&D centers in Italy.***

Committed to support global recovery from climate change with sustainable solutions, the new green energy division is based on diversified know-how and experience on electric mobility, energy storage and establish the foundation of next years' strategic plan.



WALLBOX MINI



COD. 10.200.000-106

SPECIFICHE TECNICHE | *Technical specifications*

AC INPUT	
Tipo di alimentazione	1P + N + PE
Tensione di alimentazione	230VAC +/- 10%
Corrente di input nominale	16 A / 32 A
Potenza di input nominale	3,7 kW / 7,4 kW
Frequenza	50 / 60 Hz
OUTPUT	
Sistema di ricarica	Modo 3 : secondo IEC61851-1
Prese di corrente/spine	Tipo 2 cavo fisso secondo IEC 62196-2
Lunghezza cavo	5m
Sistema di bloccaggio	No
Potenza massima di output	3,7 kW / 7,4 kW
Corrente massima di Output	16 A / 32 A
Tensione di output	230VAC (1P + N + PE)
Controllo automatico potenza di Output- DLM	SI
Dispositivo di controllo potenza	Trasformatore di corrente a corredo
Modalità di controllo potenza Output	Logica integrata su scheda di controllo
INTERFACCE OPERATORE	
Visualizzazione stato	Display grafico 2,4"
Interrogazione stato/valori	Tasto a pulsante di scroll schermate display
Misurazione Energia erogata	Misuratore di Energia Certificato MID

GENERALI ENCLOSURE E AMBIENTALI	
Grado di protezione IP	IP55
Grado di protezione IK	IK09
Materiale Enclosure	ABS-PC V0
Temperatura operativa	-25°C to +45°C
Umidità relativa	Fino 95% RH senza condensa
Dimensioni Involucro (L x W x H)	300 x 220 x 110 mm
Peso netto (Completa di cavo)	4 Kg
STANDARDS E DIRETTIVE	
Conformità	Direttiva IEC 2014/30/UE, EMC Direttiva IEC 2014/35/UE, LVD Direttiva IEC 2011/65/UE, RoHS IEC 61851-1, IEC 62196-2
ACCESSORI IN DOTAZIONE	
Supporto per connettore di ricarica con avvolgicavo	SI

WALLBOX MIDI



COD. 10.200.000-124

SPECIFICHE TECNICHE | *Technical specifications*

AC INPUT	
Tipo di alimentazione	Trifase 3P + N + PE
Tensione di alimentazione	Fase-Neutro 230VAC +/- 10% Fase-Fase 400VAC +/- 10%
Corrente massima in ingresso	16A / 32A
Potenza massima in ingresso	11 kW / 22 kW
Frequenza di rete	50 / 60 Hz
OUTPUT	
Sistema di ricarica	Modo 3 secondo IEC61851-1
Presa di corrente per ricarica veicolo	Tipo 2 secondo IEC 62196-2
Sistema di bloccaggio del cavo di ricarica	Si
Potenza massima di output	11kW / 22kW
Corrente massima di output	16A / 32A
Tensione di output	230VAC Fase-Neutro 400VAC Fase-Fase
INTERFACCE OPERATORE	
Visualizzazione stato	Display grafico 5"
Tasto di Emergenza	Si

FUNZIONALITÀ	
Protocollo di Comunicazione	OCPP 1.6
Network	Ethernet – LTE 4G
Riconoscimento RFID	SI
Funzionalità Autostart	SI
GENERALI ENCLOSURE E AMBIENTALI	
Grado di protezione IP	IP55
Grado di protezione IK	IK09
Materiale Enclosure	ABS-PC V0
Temperatura operativa	-25°C to +50°C
Temperatura di stoccaggio	-30°C to +60°C
Condizioni di stoccaggio	Ambiente interno, asciutto
Umidità relativa	Fino 95% RH senza condensa
Dimensioni Involucro (L x W x H)	338 x 146 x 418 mm
Peso netto	6 Kg
STANDARDS E DIRETTIVE	
Conformità	Direttiva IEC 2014/30/UE, EMC Direttiva IEC 2014/35/UE, LVD Direttiva IEC 2011/65/UE, RoHS IEC 61851-1, IEC 62196-2

SMART TWIN COLUMN



COD. 10.200.000-101

SPECIFICHE TECNICHE | *Technical specifications*

ELECTRICAL PROPERTIES	
Voltage	380V AC ±10%
Max Output Current	2 * 32A
Frequency	50/60 Hz
Max Output Power	2 * 22kW
Residual Current Protection	30mA AC + 6mA DC
DESIGN	
Emergency Stop Button	YES
Display	5" LCD Touch Screen
RFID Function	YES
Charging Outlet	4.5m charging cable (optional two charging socket)
Energy Meter	On board power meter
Housing Material	SPCC carbon steel
Front Panel	PC
Installation Method	Floor mounted
Network Gateway	LAN
Communication Protocol	OCPP 1.6 (J-SON)
Safety Standard	EN IEC 61851-1:2019; IEC 61851-1:2017 EN IEC 61851-21-2:2021; EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021 EN IEC 61000-6-4:2019; ETSI EN 300 328 V2.2.2:2019 ETSI EN 300 330 V2.1.1:2017; ETSI EN 301 489-1 V2.3:2019 ETSI EN 301 489-3 V2.1.1:2019; ETSI EN 301 489-17 V3.2.4:2020 EN IEC 62311:2020
Warranty	2 years

ENVIRONMENTAL PERFORMANCE	
Protection level	IP55
Working altitude	< 2000m
Application site	Indoor/Outdoor
Working Temperature	-30°C - +50°C
Working humidity	5% - 95% No condensation
Atmospheric pressure	80kPa - 101kPa
PACKING DETAILS	
Product size	360*200*1510mm
Base size	460*300mm
OPTIONAL CONFIG	
Energy Meter	MID Power Meter
Network Gateway	WIFI/4G

DC-60 AND DC-120 CHARGING STATION



SPECIFICHE TECNICHE | *Technical specifications*

PRODUCT CODE	10.200.000-102	10.200.000-125
Model	DC-60 CHARGING STATION	DC-120 CHARGING STATION
PARAMETERS		
Product category	60kW one machine with two connectors	120kW one machine with two connectors
Connector Standard	CCS1, CCS2, CHAdeMO, GB/T	
AC input voltage range (V)	AC260V~AC485V 3 Phase 5 Wires (A+B+C+N+PE)	
DC output voltage range (V)	DC150~1000V	
Constant power output voltage range(V)	DC300~1000V	
Output power	60kW	120kW
Weight	280KG	320KG
Max output current (A)	DC200A	DC400A
Max output current for single plug (A)	DC200A	DC200A
Frequency	55Hz±10%	
Power factor	≥0.99	
Efficiency (max)	≥95.0%	
Current balance /unbalance	≤±5%	

PRODUCT CODE	10.200.000-102	10.200.000-125
Model	DC-60 CHARGING STATION	DC-120 CHARGING STATION
PARAMETERS		
Standby power consumption	≤0.1% Rated output power	
Voltage regulation accuracy	≤±0.5%	
Steady current accuracy	≤±1%	
Output voltage ripple	CF≤1%	
Protection	Input/output over/under voltage protection. Over current and short circuit protection. Over temperature protection. Lightning protection.	
Operating temperature	-40°C ~+70°C, Derating above 50°C	
Humidity	5%~95%, Non-condensing	
Length of Charging Plug (m)	5	
Degree of protection	IP54	
Altitude	<2000m, Derating above 2000m	
Dimension (W*D*H mm)	700*1900*650mm	
Charger Module Number	2 PCS 30kW Modules	4 PCS 30kW Modules
Power Distribution Mode	Stand alone, Current switch, Plug Switch, Full hold, Master slave	
Charging Mode	Auto basis, Time basis, Amount basis, Energy basis, SOC basis	

P-CHARGER 16D

P-CHARGER 16



SPECIFICHE TECNICHE | *Technical specifications*

PRODUCT CODE	10.200.000-099	10.200.000-100
Model	P-CHARGER 16D	P-CHARGER 16
ELECTRICAL PROPERTIES		
Voltage	230V AC \pm 10%	
Max Output Current	16A (6/8/13/16A adjust)	
Frequency	50/60 Hz	
Max Output Power	3.5 kW	
Residual Current Protection	30mA as default 6mA is optional	
STRUCTURE DESIGN		
Display	1.8" LCD	None
LED Indicator	LED Light bar	n.5 led indicators
Charging Outlet	Type 1/2 4.5m charging cable	
Power incoming line	0.7m	
Total cable length	>5m	
Housing Material	PC+GF 10%	PC
SECURITY PROTECTION		
Safety Standard	IEC/EN 61000-6-1:2019; EN 61000-6-3:2007+A1; IEC 61000-6-1:2016; IEC 61000-6-3:2006+A1; CISPR 14-1:2016; IEC/EN 62752:2016+A1	
Warranty	1 years	

PRODUCT CODE	10.200.000-099	10.200.000-100
Model	P-CHARGER 16D	P-CHARGER 16
ENVIRONMENTAL PERFORMANCE		
Protection level	IP65	
Working altitude	< 2000m	
Application site	Indoor/Outdoor	
Working Temperature	-30°C - +50°C	
Working humidity	5% - 95% No condensation	
Cooling Method	Natural cooling	
PACKING DETAILS		
Product size	255*109*55 mm	180*81*45 mm
EXTRA FUNCTION		
Temperature detection function	Yes(check the temp. of PCB and show it on screen)	None
Schedule charging	Yes (from 1 to 8 hours)	None

SUN@STORAGE

ALL IN ONE Compact Home Storage System



Massima connettività
Smart home & e-mobility
*Maximum connectivity
Smart home & e-mobility*



Controllore Master II
Gestione più
intelligente dell'energia
*Master Controller II
Most intelligent
energy management*



Sistema All-In-One
"Nessuno è più piccolo!"
*All-In-One System
"No one is smaller!"*



Struttura modulare
A prova di futuro
*Modula structure
Future-proof*



Elevate prestazioni
di carica/scarica
Altro. Autoconsumo
*High charge/discharge
performance
More. Self-consumption*

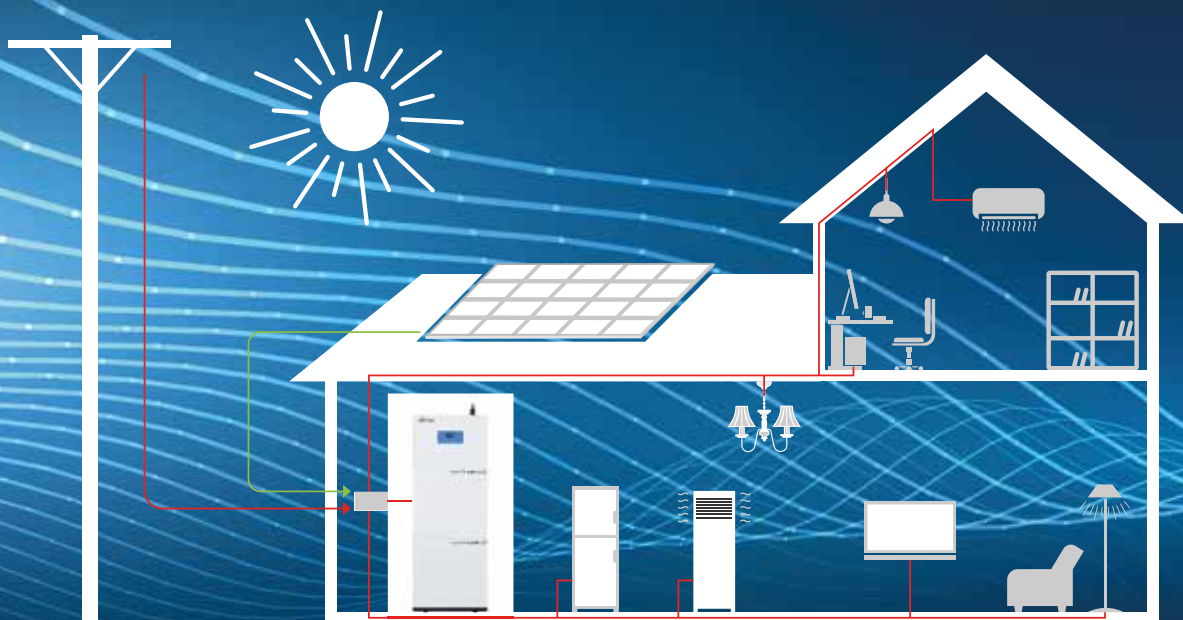


Accumulo batteria
Altro. Capacità
*Battery Storage
More. Capacity*

SPECIFICHE TECNICHE | *Technical specifications*

	6	8	10	12	15
INPUT VALUES					
MPP voltage range 1	300 V ... 750 V	380 V ... 750 V	470 V ... 750 V	400 V ... 750 V	470 V ... 750 V
Control range	160 V ... 750 V				
Minimum DC voltage	At start 200 V / During shutdown 160 V				
Maximum DC voltage	900 V				
Maximum DC current	26 A (2 x 13 A)		39 A (13 A + 26 A)		
Maximum DC short-circuit current	30 A (2 x 15 A)		45 A (15 A + 30 A)		
Number of MPP trackers	2				
Max. PV generator output power per MPPT	MPPT1: 7,200 W / MPPT2: 7,200 W			MPPT1: 7,200 W / MPPT2: 14,400 W	
Number of string connections	3 (1/2)				
Connection type	Amphenol				
OUTPUT VALUES					
Nominal power 2	6,000 W	8,000 W	10,000 W	12,000 W	15,000 W
Maximum apparent power 2	6,600 VA	8,800 VA	11,000 VA	13,200 VA	16,500 VA
Maximum AC current	3 x 10 A	3 x 13 A	3 x 16 A	3 x 19.7 A	3 x 22.7 A
Mains nominal voltage	3 x 400 V				
Mains nominal frequency / range	50 Hz / 45 Hz ... 55 Hz				
Power factor cos (φ)	Adjustable from 0.8 overexcited to 0.8 underexcited				
Distortion factor at rated output power	< 3 %				
Connection type	Wago spring-loaded terminals (rigid up to 10 mm ² , flexible up to 6 mm ²)				
Grid connection	Three-phase (L1 / L2 / L3 / N / PE)				
BATTERY STORAGE					
Technology	Lithium-Ionen				
Nominal Voltage	51.1 V				
Battery capacity (modular: 1 to 5 batteries)	3 kWh / 6 kWh / 9 kWh / 12 kWh / 15 kWh				
DoD	90%				
Max. Charge/discharge power (modular: DC/DC converter)	2 kW / 4 kW / 6 kW / 8 kW / 10 kW (rated power per DC/DC converter: 1.75 kW)				
AMBIENT CONDITIONS					
Protection class	IP20				
Ambient temperature range (nominal power)	0 °C ... + 40 °C				
Relative humidity	5 % ... 85 % (without condensing)				
Maximum operating height above sea level	2,000 m				
CONFIGURATION					
Visualization / Operation	App, Webbrowser				
Inverter topology	Transformerless				
DC disconnecter	Integrated				
Energy management	Recording of energy production, energy consumption, energy storage, grid feed-in, Evaluation of the recorded data including graphic processing. Resource recognition: Energy management and energy flow control.				
Fault current monitoring Internal, All	Internal, All current sensitive				
Overvoltage category AC and DC	AC: III / DC: II				
STANDARD & GUIDELINES					
EMV	EN 61000-6-2, EN 61000-6-3				
Grid connection	VDE-AR-N 4105				
Transport	UN 38.3.3				
Device safety	EN 62109-1, EN 62109-2				
INTERFACES					
Data communication	RS485 / Ethernet / Modbus TCP / Modbus RTU				
Status signalling contact	Integrated / Integrated				
Ripple control signal receiver connection	Integrated / Integrated				
Connection of external devices	S0, Ethernet, RS485, 8 digital inputs galvanically isolated 4 signal relay contacts, 4 analogue inputs (0 ... 20 mA), 4 analogue inputs (0 ... 10 V), SG-Ready				
WEIGHT & DIMENSIONS					
Weight without batteries	60 kg				
Weight battery pack 3 kWh each	19.2 kg				
Dimensions (W x H x D) 660 mm	660 mm x 1,220 mm x 400 mm (435 mm with display)				
WARRANTY					
Warranty	10 years (according to Warranty conditions)				

SOLAR HOME STATION



SPECIFICHE TECNICHE | *Technical specifications*

MODEL	SHS-5KW	SHS-10KW	SHS-15KW	SHS-20KW	
SYSTEM SPECIFICATION					
Rated AC Output Power	5000W				
Energy Capacity Range	5.12kWh	10.24kWh	15.36kWh	20.48kWh	
Battery Type	Lithium Ion Battery (LFP, Iron Phosphate Technology)				
Max AC Charging Current	80A				
Max PV Charging Current	80A				
Max Total Charging Current	80A				
Operating Temperature	-20°C to 50°C				
Storage Temperature	-30°C to 70°C				
Remote Monitoring	Wi-Fi & APP				
Relative humidity	0 ~ 95% (no condensation)				
Operating Altitude	2000m				
Protection Degree	IP21				
System Dimension	Width	600mm	600mm	600mm*2	600mm*2
	Depth	260mm	260mm	260mm	260mm
	Height	1054mm	1634mm	1054mm	1634mm
Weight	81kg	142kg	209kg	270kg	
Cooling Method	Fans				
PV STRING INPUT SPECIFICATION					
Max PV Input Power	5000W				
Max PV Input Voltage	500VDC				
Recommend PV Input Voltage	360VDC				
MPPT Voltage Range	120 to 450VDC				
Max PV Charging Current	80A				
Number of MPPT	1				
Number of Strings per MPPT	1				

MODEL	SHS-5KW	SHS-10KW	SHS-15KW	SHS-20KW
INVERTER SPECIFICATION				
Rated AC Output Power	5000W			
Surge AC Output Power	5000VA			
DC Input Voltage	5000VA			
AC Input Voltage	90Vac to 280Vac			
AC Output Voltage	230Vac			
Rated Frequency	50 / 60 Hz			
Max AC Charging Current	80A			
Power Factor	1.0			
Wave Form	Pure Sine Wave			
Transfer Time	< 20ms			
Output THDi	<3%			
Max PV to Load Efficiency	97%			
Max Battery to Load Efficiency	94%			
BATTERY SPECIFICATION				
Battery Model	EP-48100	EP-48100	EP-48100	EP-48100
Rated Capacity	100Ah	100Ah	100Ah	100Ah
Battery Voltage	51.2VDC			
Battery Quantity	1	2	3	4
Energy Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Cycle Life	≥6000 cycles@80% DOD			

WALLBOX AC 7



Model: **Wallbox AC 7**

SPECIFICHE TECNICHE | *Technical specifications*

ELECTRICAL PROPERTIES	
Voltage	230 Vac
Max Output Current	32 A
Frequency	50/60 Hz
Max Output Power	7.6 kW
Residual Current Protection	Type A + 6mA DC
DESIGN	
Emergency Stop Button	YES
Display	YES
RFID Function	YES (opt.)
Charging Outlet	5m charging cable
Energy Meter	On board power meter
Standard	IEC 62196 - CE - RoHS
Warranty	2 years
ENVIRONMENTAL PERFORMANCE	
Protection level	IP55
Working altitude	<2000m
Application site	Indoor/Outdoor
Working temperature	-30°C / +50°C
Working humidity	0% - 95% No condensation

PACKING DETAILS	
Product size	160*500*440mm

PRODUCT CHARACTERISTICS	
Over Temperature Protection / Over Voltage Protection / Lightning Protection / Over Current Protection	

WALLBOX AC 22



Model: **Wallbox AC 22**

SPECIFICHE TECNICHE | *Technical specifications*

ELECTRICAL PROPERTIES

Voltage	400 Vac 3 phase
Max Output Current	32 A
Frequency	50/60 Hz
Max Output Power	22 kW
Residual Current Protection	Type A + 6mA DC

DESIGN

Emergency Stop Button	YES
Display	4.3 inch led LCD
RFID Function	YES
Charging Outlet	5m charging cable
Energy Meter	MID power meter
Standard	IEC 61851 EV / IEC 62196-2 / IEC 61439-7 IEC EN 50470
OCPP	YES - commercial use
Warranty	2 years

ENVIRONMENTAL PERFORMANCE

Protection level	IP65
Working altitude	<2000m
Application site	Indoor/Outdoor
Working temperature	-30°C / +50°C
Working humidity	5% - 95% No condensation

PACKING DETAILS

Product size	320*195*90mm
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PRODUCT CHARACTERISTICS

Over Temperature Protection / Over Voltage Protection / Lightning Protection / Over Current Protection

WALLBOX AC 22+22



Model: **Wallbox AC 22+22**

SPECIFICHE TECNICHE | *Technical specifications*

ELECTRICAL PROPERTIES	
Voltage	400 Vac 3 phase
Max Output Current	32 A + 32 A
Frequency	50/60 Hz
Max Output Power	22 kW + 22 kW
Residual Current Protection	Type A + 6mA DC
DESIGN	
Emergency Stop Button	YES
Display	4.3 inch led LCD
RFID Function	YES
Charging Outlet	5m charging cable dual plug
Energy Meter	MID power meter
Standard	IEC 61851 EV / IEC 62196-2 / IEC 61439-7 IEC EN 50470
OCPP	YES - commercial use
Warranty	2 years
ENVIRONMENTAL PERFORMANCE	
Protection level	IP65
Working altitude	<2000m
Application site	Indoor/Outdoor
Working temperature	-30°C / +50°C
Working humidity	5% - 95% No condensation

PACKING DETAILS	
Product size	630*460*310mm

PRODUCT CHARACTERISTICS	
Over Temperature Protection / Over Voltage Protection / Lightning Protection / Over Current Protection	



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