

SMART EV CHARGER



LIVOLTEK



Residential AC Charger

Single Phase: 3.7kW/7.3kW Three Phase: 11kW/22kW

The LIVOLTEK Smart EV Charger is the most cutting-edge smart charger available for wall and column installation. It is compact in size, exquisite in appearance, and easy to install. Thanks to its user-friendly APP, it is easy for users to charge independently and economically. It's surely the best choice for passenger vehicle owners to charge their vehicles by taking the advantage of the time of use tariff and PV system.



 Type 2 Connector

Features

- Built-in RCD protection
- Low standby power consumption
- 3 charging modes: Fast, Dynamic, ECO
- Real-time load management and demand response
- IP54 provides high adaptability
- Compatible with all branded EV
- Wi-Fi/4G/Ethernet communication
- OCPP compliance enables backend system integration



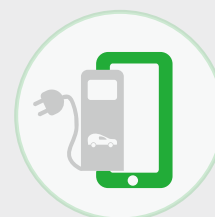
PV Charging



Dynamic Charging



Time of Use Schedule



OTA Remote Access

Compatible Products



All-in-one Energy Storage System



DCM



Smart Meter

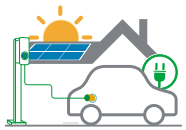


Monitoring System

Specifications

Model	A0070230E11	A0110400E11	A0220400E11
Product Name	Single-phase Residential AC Charger	Three-phase Residential AC Charger	Three-phase Residential AC Charger
Input/Output			
Rated Power	7.3kW	11kW	22kW
Rated Voltage	230Vac±10%	400Vac±10%	400Vac±10%
Rated Frequency	50Hz/60Hz		
Current Range	6~32A	6~16A	6~32A
Charging Interface Type	Type 2/5m		
Specifications of Incoming Cables	3*6mm ²	5*2.5mm ²	5*6mm ²
Basic Features			
User Authorization	Free Charging, MyLivoltek APP(Bluetooth & Remote & Schedule)		
Cooling	Natural Cooling		
Operating Temperature	-30℃ ~ 50℃		
Storage Temperature	-40℃ ~ 70℃		
Operating Humidity	5% ~ 95%RH		
Operating Altitude	≤2000m		
IP Degree	IP54		
Dimension (W*H*D)	170*400*110mm		
Weight	3.7kg	3.8kg	5.1kg
Way of Installation	Wall Mounting (Column Optional)		
Energy Management	Support		
Standby Power Consumption	<5W		
Other Features			
Status Indication	3 Color LED		
Firmware Upgrade	Local/OTA		
Way of Communication	Bluetooth; Wi-Fi/Ethernet/4G Optional		
Emergency Stop Protection	Support		
Save Charging Record When Power Off	Support		
Electricity Measurement	Build-in Metering Chip		
External Communication	RS485/CAN		
Communication Protocol	LIVOLTEK Protocol / OCPP 1.6J		
Protection Function			
Residual Current Protection	6mA DC RCD Internal		
Multiple Protection	With Over Voltage Protection, Under Voltage Protection, Overcurrent Protection, Grounding Protection, Surge Protection, Short Circuit Protection, Fault Self-check and Other Multiple Protection Functions.		
Standard			
EMC	IEC-61851-21-2-2018		
Safety	IEC-61851-1-2017		

CE UK RoHS





Residential AC Charger

Single Phase: 3.7kW/7.3kW Three Phase: 11kW/22kW

The LIVOLTEK smart EV charger is the most cutting-edge smart charger available for wall and column installation. Flexible compatibility with 3.7kW, 7.3kW, 11kW, and 22kW maximum power EVs, selectable socket outlet or connector type, it is also compact in size, exquisite in appearance and easy to install. Thanks to its combination with LIVOLTEK inverters and user-friendly APP operation, it is easy for users to charge intelligently and economically by forming a solar charging system, which includes inverters, batteries and some necessary accessories. It's the best choice for electric vehicle owners to charge their vehicles by taking advantage of the time-of-use tariff and photovoltaic system.

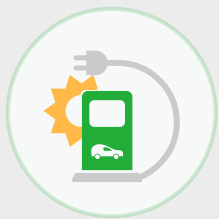


 Type 2s Socket

 Type 2 Socket

Features

- 3 charging modes: fast, dynamic, ECO
- OCPP 1.6J Protocol (subsequent free upgrade 2.0.1)
- Integrated leakage current monitoring (AC 30mA + DC 6mA)
- IP65, IK10 Protection
- RFID user authorization
- Smart dynamic load balance control



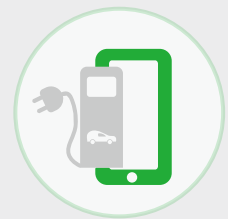
PV Charging



Dynamic Charging



Time of Use Schedule



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Compatible Products



All-in-one Energy Storage System



DCM



Smart Meter

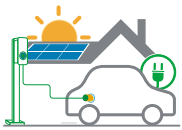


Monitoring System

Specifications

Model	A0030230E1SH	A0070230E1SH	A0110400E1SH	A0220400E1SH
Product Name	Single Phase Socket 3.7kW	Single Phase Socket 7.3kW	Three Phase Socket 11kW	Three Phase Socket 22kW
Input/Output				
Rated Power	3.7kW	7.3kW	11kW	22kW
Rated Input Voltage	230Vac		400Vac	
Input Voltage Range	230Vac±15%		400Vac±15%	
Rated Output Current	16A	32A	16A	32A
Output Current Range	6A~16A	6A~32A	6A~16A	6A~32A
Rated Frequency	50Hz/60Hz			
Grid Architecture	TT/TN-S/TN-C-S			
Charging Interface	Type2 socket, Type 2s socket (Optional) (5m/7m 2plug Cable Optional)		Type2 socket, Type 2s socket (Optional) (5m/7m 2plug Cable Optional)	
Connection Mode	Case B			
Protection				
Leakage Current Protection	AC 30mA + DC 6mA			
Surge Protection	Support			
Overvoltage Protection	Support			
Undervoltage Protection	Support			
Overcurrent Protection	Support			
Grounding Protection	Support			
Short Circuit Protection	Support			
Over Temperature Protection	Support			
General Data				
Dimension (W*H*D)	170X393X145 mm			
Weight	4.6kg	4.6kg	5.7kg	4.6kg
Installation Mode	Wall Mounting (Column Optional)			
IP Degree	IP65			
IK Degree	IK10			
Cooling	Natural Cooling			
Working Temperature	-30 C ~ 50 C			
Storage Temperature	-40 C ~ 70 C			
Working Humidity	5% ~ 95% RH			
Working Altitude	≤2000m			
Working Noise	0dB			
Standby Power	< 5W			
User Indicator	LED+APP			
Networking Mode	Bluetooth; Ethernet; Wi-Fi/4G (Optional)			
User Authorization	Free Charging, RFID, MyLivoltek APP(Bluetooth & Remote & Schedule)			
Charging Mode	Fixed, Demand Response			
Power Management	Support			
Firmware Update	Local / OTA			
Electricity Metering	Support			
Save Charging Record When Power Off	Support			
External Communication	RS485 / CAN			
Communication Protocol	LIVOLTEK Protocol / OCPP 1.6J			
Standard				
EMC	IEC-61851-21-2-2018			
Safety	IEC-61851-1-2017			

CE UK RoHS



Commercial AC EV Charger

Single Phase: 7.3kW Three Phase: 11kW/22kW

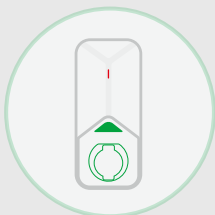
Livoltek Commercial AC EV charger series with IP65 outdoor design can adapt to any business, workplace, commercial and home locations as well. LIVOLTEK offering stylish, intelligent and customizable covers, selectable socket outlet or connector, always one you like. While equipped with build-in smart KWH meter, it also has the ability to reponse to external energy meter or dynamic load management terminals, ready for integrating with your advanced smart building and parking energy system.



-  Type 2s
-  Type 2

Features

- Connector or Socket Outlet Selectable
- Integrated ISO 14443 RFID reader
- Multi connectivity access
- OCPP 1.6J Protocol (subsequent free upgrade 2.0.1)
- Build-in KWH meter
- Integrated leakage current monitoring (AC 30mA + DC 6mA)
- External Dynamic Load Response Ready
- IP65 Outdoor Design



Customized Cover Design



Intelligent Management



Dynamic Load Response Ready



CMS Ready with OCPP1.6J

Accessory



Rectangle Stand



Triangular Stand



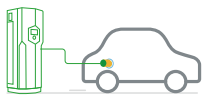
Type 2 to Type 2s EV Charging Cable



LIVOLTEK Smart Charging System

Specifications

Model	A0070230E1EY	A0070230E1SY	A0110400E1EY	A0220400E1EY	A0110400E1SY	A0220400E1SY
Product Name	Single Phase Connector 7.3kW	Single Phase Socket 7.3kW	Three Phase Connector 11kW	Three Phase Connector 22kW	Three Phase Socket 11kW	Three Phase Socket 22kW
Input/Output						
Rated Power	7.3kW	7.3kW	11kW	22kW	11kW	22kW
Rated Input Voltage	230Vac		400Vac			
Input Voltage Range	230Vac±15%		400Vac±15%			
Rated Output Current	32A		16A	32A	16A	31A
Output Current Range	6A~32A		6A~16A	6A~32A	6A~16A	6A~32A
Rated Frequency	50Hz					
Input Cable Specification	5*6Φ	/	5*2.5Φ	5*6Φ	/	/
Grid Architecture	TT/TN-S/TN-C-S					
Charging Interface	Type2 Connector, 5m/7m cable (Optional)	Type2 socket (Type 2s socket Optional)	Type2 Connector, 5m/7m cable (Optional)		Type2 socket, Type 2s socket (Optional) (5m/7m 2plug Cable Optional)	
Connection Mode	Case C	Case B	Case C		Case B	
KWH Meter	Build-in MID certify meter, class B					
Protection						
Leakage Current Protection	AC 30mA + DC 6mA					
Surge Protection	Support					
Overvoltage Protection	Support					
Undervoltage Protection	Support					
Overcurrent Protection	Support					
Grounding Protection	Support					
Short Circuit Protection	Support					
Over Temperature Protection	Support					
General Data						
Dimension (W*H*D)	170X393X145 mm					
Weight	6.1kg	5kg	6.1kg	6.7kg	5.9kg	6.6kg
Installation Mode	Wall mounted (Column mounted optional)					
IP Degree	IP65					
IK Degree	IK10					
Cooling	Natural cooling					
Working Temperature	-30 C ~ 50 C					
Storage Temperature	-40 C ~ 70 C					
Working Humidity	5% ~ 95% RH					
Working Altitude	≤2000 m					
Working Noise	0dB					
Standby Power	< 5W					
User Indicator	LED					
Networking Mode	Bluetooth, Ethernet, WiFi/4G (optional)					
Power Management	Support					
Firmware Update	Local / OTA					
User Authorization	RFID(ISO 14443), APP					
Save Charging Record When Power Off	Support					
External Communication	RS485 / CAN					
Communication Protocol	OCPP 1.6 J					
Standard						
EMC	IEC-61851-21-2-2018					
Safety	IEC-61851-1-2017					



Smart DC EV Charger

D0300380E1EY(30kW)



We strive to be our installers' and users' best friend, which is why we have developed the Livoltek 30kW DC EV charger series. Our compact unit requires only a few screws or a simple installation pole, making the installation process a breeze. We also offer optional wall-mount and stand-mount for added flexibility. Plus, with the Livoltek Energy Monitoring System, configuration setup is smooth, fast, and easy.



Features



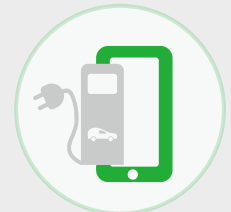
WiFi/4G/Ethernet Connection



Flexible Charging Strategy



Comprehensive Protection Functions



OTA Remote Access

- Power Factor ≥ 0.98
- Network or standalone operation
- Multi-standard: CCS1, CCS2, CHAdeMO
- Multiple protection to ensure users' safety
- Support smart charging and load balancing
- Optional RFID/App etc. for user identification and management
- IK10& IP54
- Efficiency > 95%
- Customization available
- 4.3 inches color touch screen with user friendly interface
- OCPP 1.6 JSON (Comply with latest OCPP protocol)
- Optional wall-mount and stand-mount to save installation space for both indoor & outdoor applications

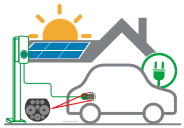
Specifications

Model	D0300380E1EY
Power Specifications	
Input Connection	3-Phase : 3P+N+PE
Input Voltage	400Vac ±10%
Frequency	50Hz or 60Hz
THDi	≤5%
Power Factor	≥0.98
Output Voltage	150Vdc - 1000Vdc
Max. Output Current	100A(125A CHAdeMO)
Rated Power	30kW
User Interface & Control	
LCD Display	4.3" Color Touch Screen
User Authentication	RFID(ISO/IEC 14443) (APP/ Credit Card Customization)
LED Indicator	Green/Blue/Red
Charger Connector	CCS2 (CCS1 / CHAdeMO Optional)
Energy Measuring	DC meter, with 1% accuracy
Communication	
Backend	Ethernet / Bluetooth / Wi-Fi (4G Optional)
Charging Protocol	ISO 15118 , DIN 70121
Backend Protocol	OCPP 1.6 J (OCPP2.x Coming soon)
Protection	
Residual Current Device	Yes
Internal Fuse	Yes
Electrical Protection	Over/Under Voltage Protection,Over Current Protection, Short Circuit Protection, Over/Under Temperature Protection, Lightning Protection, Ground Fault, Surge Protection
Environmental	
Operating Temperature	-30 C - +50 C
Storage Temperature	-40 C - +75 C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling
Mechanical	
Product Dimension(W*D*H)	640mm*160mm*550mm
Package Dimension(W*D*H)	808mm*438mm*748mm
Charging Cable Length	5m (Customizable)
Weight	80kg(Net) / 85.7kg(Gross)
Mounting	Wall-mount and Stand-mount
Certifications	
Safety	CE



AC&DC charging all-in-one design, maximum 120kW DC output for quick and flexible charging.

LIVOLTEK All-in-one fast charging system is integrated with CCS, CHAdeMO and AC connectors, supporting charging three electric vehicles at the same time and introducing a retractable cable management system for effortless pick-up and drop-off without touching the ground. It complies with all IEC standards for off-board electric vehicle charging systems, including IEC 61851-21-2 EMC requirement and IEC 61851-24 digital communication control.



Smart DC EV Charger

60kW/120kW + 22kW AC Optional Product Release Soon



Features



Future-proof design via open industry standards, support remote update to OCPP2.0.1 protocol.



Multi User Authorization with RFID, APP, customized NFC payment



CE, UKCA and RoHS certification, suitable for all European countries need



Load management & real-time demand response ready with Livoltek DCM



Multi Outlet Compliance with CCS2, CCS1, CHAdeMO, GB/T, Type2 socket & connector.



Integrated retractable cable management system



Interaction via 10" color touch display



MID Compliance Meter



Specifications

Model	M0601000E3	M1201000E3
Product Name	Fast Charge Station	
Input/Output Data		
Rated Power	DC 60kW/120kW + AC 22kW Optional	
AC Connection	3P+N+PE	
AC Input Voltage	260~530Vac	
AC Input current.	0~264A	
Rated Frequency	50/60Hz	
Power Factor	≥0.99 at nominal load	
THD	≤5% (50%~100% load)	
Output Voltage Range	150~1000Vdc	
Output Constant Power	300~1000Vdc	
Output Current Range	CCS2/CCS1: 0~250A CHAdeMO: 0~125A Type2 AC: 6~32A (Optional)	
Output Efficiency	≥95% (100% Load)	
Basic Features		
Environment of use	Indoor / Outdoor	
User Authorization	RFID (ISO 14443 A/B), APP, Contactless NFC Customized	
Working Noise	80dB (Peak), ≤ 70dB (Nominal Load)	
Operating Temperature	-20 C ~ 50 C	
Storage Temperature	-30 C ~ 70 C	
Working Humidity	5%~95% RH	
Working Altitude	≤2000m	
IP/IK Degree	IP54/IK10	
Cooling	Force Fan Cooling	
Dimension(W*H*D)	910*1750*575 mm	
Energy Management	Support	
Weight	≤300kg	
Standby Power Consumption	≤40W	
Length of Charging Cable	5m / 7m customized	
Standard Warranty	2 years, extend + 1 year / + 2 years	
Other Features		
Firmware Upgrade	Local (USB) / OTA	
Way of Communication	4G/Ethernet	
Save Charging Record When Power Off	Support	
External Communication	RS485/CAN	
Communication Protocol	OCPP 1.6J, support update to OCPP 2.0.1	
User Interface	10.1" Touch Screen; Charging LED Indicators	
Protection		
Multiple Protection	Overvoltage Protection, Undervoltage Protection, Overcurrent Protection, Over Temperature Protection, Grounding Protection, Surge Protection, Short Circuit Protection, Fault Self-check, In sulation Detection and Other Multiple Protection Functions.	
Leakage Current Protection	Type B RCBO for AC Type A RCD for DC	
Standards		
Safety	IEC 61851-1, IEC-61851-23, IEC 61851-21-2, IEC 62196-2/3	
EMC	IEC 61851-21-2 Class B	
Communication	IEC 61851-24, DIN 70121, ISO/IEC 15118	



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