

Residential & Commercial Charger

Single Phase: 7.3kW Three Phase: 22kW

Built with both the installer AND the commercial or residential customer in mind.

LIVOLTEK's cutting-edge solar charger is quick to install & easy to use. Time and cost are minimised with built-in O-PEN protection, MID meter, Smart Meter and load balancing functionality. The intuitive app enables you to commission the unit quickly and manage the LIVOLTEK ecosystem (charger, inverter & batteries) seamlessly.

With its solar charging, sleek design and lifetime over-the-air (OTA) updates, the LIVOLTEK charger offers a reliable and future-proof solution. Additionally, its OCCP 1.6J ensures smooth integration with charging networks and back offices.

Features

- Built-in O-PEN, MID Meter, Smart Meter
 - No extra kit needed means less time on site and no extra expense for load balancing
- Static and Dynamic Charging
 - Eco, Dynamic and Fast mode
 - Manage multiple cars charging on one site
- Intelligent Management
 - Quick to install and easy to use.
 - Seamless integration with LIVOLTEK products.
- Remote Access
 - Lifetime over the air (OTA) updates including OCCP2.0.1
 - Intuitive app to manage the LIVOLTEK Ecosystem.



Specifications

Model	A0070230E1EY	A0070230E1SY	A0220400E1EY	A0220400E1SY
Product Name	Single Phase Tethered 7.3kW	Single Phase Untethered 7.3kW	Three Phase Tethered 22kW	Three Phase Untethered 22kW
Input/Output				
Rated Power	7.3kW		22kW	
Rated Input Voltage	230Vac		400Vac	
Input Voltage Range	230Vac±15%		400Vac±15%	
Rated Output Current	32A		32A	
Output Current Range	6A~32A		6A~32A	
Rated Frequency	50Hz/60Hz		50Hz/60Hz	
Input Cable Specification	3*6Φ		5*6Φ	
Grid Architecture	TT/TN-S/TN-C-S			
Charging Interface	ACE : Tethered ACE-S: Untethered			
Connection Mode	Tethered	Untethered	Tethered	Untethered
KWH Meter	Build-in MID certify meter, class B			
Protection				
Leakage Current Protection	AC 30mA + DC 6mA, PEN for UK Version			
Surge Protection	1kV for differential mode and 2kV for common mode			
Overvoltage Protection	253Vac			
Undervoltage Protection	207Vac			
Overcurrent Protection	Support			
Grounding Protection	Reports a ground fault when the PE (Protective Earth) wire is disconnected			
Short Circuit Protection	Relies on external circuit breakers			
Over Temperature Protection	Tethered models have relay overtemperature protection, Untethered models have both relay overtemperature protection and socket cable overtemperature protection			
O-PEN Protection	If the PEN conductor disconnects, charging stops to prevent electric leakage and ensure safety			
General Data				
Dimension (W*H*D)	170X393X145 mm			
Net Weight / Gross Weight	4.3 / 6.8kg	2.7 / 4.3kg	5.4 / 8kg	3 / 4.6kg
Installation Mode	Wall mounting or pedestal mounted			
Protection Degree	IP65 (IP54 for untethered)			
Impact Resistance	IK10			
Operating Temperature	-30℃ ~ 50℃			
Storage Temperature	-40℃ ~ 70℃			
Working Humidity	5% ~ 95% RH			
Working Altitude	≤2000 m			
Standby Power	< 5W			
Charger Interface	LED			
Communications Options	Ethernet, Bluetooth, WiFi, 4G			
Power Management	Dynamic load mode and ECO mode, see the user manual for details			
Firmware Update	Local / OTA			
User Authorization	RFID(ISO 14443), APP			
Local Cache	Charging Transcations, Logs			
External Communication	RS485 / CAN			
Open Charge Point Protocol (OCPP)	OCPP 1.6 J (Free OTA upgrade to 2.0.1 (when available))			
Standard				
EMC	IEC-61851-21-2-2018			
Safety	CE & UKCA compliant, EMC, RED, ROHS/IEC-61851-1-2017/BS-EN-61851-1: 2019			