Driving towards a green future

SOL APOLLO Series
Smart AC EV Chargers

Solplanet

Photo by Franckreporter

Fully
charged
and ready!

Solplanet

Smart solutions for a greener future

The world's energy production and consumption is undeniably changing. The electrification of the mobility industry is contributing to this great change through the development and research of electric vehicles and related products at a global scale.

At Solplanet we know that every small conscious decision builds up to an environmentally sustainable future, that's why we are proud to present our new electric vehicle charger series, carefully designed applying over 15 years of our experience in the PV industry.

Every detail of our EV Chargers aims to bring the best possible experience for customers. Our intelligent monitoring system and user-friendly app allows you to control the whole charging process on your mobile device. Our SOL APOLLO EV Charger Series is fully compatible with your photovoltaic installation, allowing you to charge your vehicle directly using the power of the sun.

You can depend on Solplanet

Solplanet is a brand of AISWEI, we've been manufacturing inverters since 2007. Our mother brand, also formerly known as SMA's Chinese subsidiary, has successfully been manufacturing high-quality and reliable products for renowned brands like SMA since 2017 and Zeversolar since 2013. Today, AISWEI is an independent research, development and manufacturing company. A recent equity restructuring puts us on particularly strong financial footing within the industry.

By launching our versatile and reliable Solplanet EV chargers, which can harness the power generated by our Solplanet inverters, we are taking a new step into becoming a key contributor to the global e-mobility revolution.

Reliable, powerful & easy to use

solplanet.net

Everything you expect and more!

Solplanet's new generation of AC EV chargers bring the latest technologies to your home for a safe and smart charging experience, with an elegant and easy-to-use design and adaptable functions that meet the needs of a wide range of user scenarios.

This new generation of AC EV Chargers come as a result of dedicated research, design and development based on our deep knowledge in the field of photovoltaic technology for over 15 years. The possibility of using solar energy in the charging process of your electric vehicle, comes not only with great economic benefits, but as a smart and environmentally conscious choice to living a greener life.

The SOL APOLLO Series provide several options for you to discover the best charging experience possible. Get ready, the green future is here!

Innovative design

- Elegant design with a dynamic and robust streamlined body
- By leveraging high tech paint technology, the sleek and aesthetically pleasing EV charger blends perfectly with both your EV and home
- Replaceable front cover for convenient substitution and additional color options

Easy-to-install

- Compact, lightweight and wall mountable
- Easy-to-install with standard tools
- Toolless plug in terminal blocks
- Quick set-up via APP
- Cable entry on the front or rear of the housing

Safe

- TÜV IEC 61851-1 & CE compliant
- Integrated Type A RCD, 30mA AC and 6mA DC leakage protection
- Built-in PEN fault detection without extra earth rods
- Type 2 socket with shutter (opt.)
- Dynamic load balancing (opt)

Reliable

- IP65 enclosure suitable for outdoor use
- IK10 protection rating
- Exterior & interior covers for multiple protection
- 3 years standard warranty

Smart & Eco-friendly

- Intelligent Ai-charging App for remote control and monitoring
- Scheduled charging and off-peak charging modes
- Adjustable charging power (6A to 32A)
- Lock / unlock the charger via APP
- Solar charging under Solar PV & Eco Mode (opt.)
- Recyclable packaging

User-friendly

- APP & RFID & NFC for user authentication or easy set up to Plug & Play mode
- Integrated NFC technology, unique authentication via smartphone
- Cable Holster housing design
- Ergonomic plug handles
- LED status indicators
- Wireless firmware updates
- Automatic phase detection and balancing (3 phase series)

AC EV Charger

SOL APOLLO Series

Series:
SOL7.4H
SOL11H
SOL22H

Technical Datasheet

7.4 kW Single Phase

		Cable Version	Socket Version
Input & Output	Rated Voltage	230 V ac	
	Rated Frequency	50 Hz / 60 Hz	
	Max. Output Power	7.4 kW	
	Max. Output Current	32 A	
	Standby Power Consumption	< 5 W	
	Residual Current Detection	Type A: AC 30 mA / DC 6 mA	
	Connector Type (IEC62196-2)	Type 2	Type 2 socket[1,2]
	Cable Length	5 m / 7.5 m	–
User Interface & Control	Network Interface	WIFI & Bluetooth-compatible & RS485 & LAN[3]	
	RFID/NFC Reader	●	
	Status Indication	LED Light strip	
	Built-in 4G	O	
	Smart APP	●	
	Communication Protocol	OCPP1.6J[4]	
Working Environment	Protection	IP65 (Enclosure)	
	Operating Temperature	-25°C to 50°C	
	Storage Temperature	-40°C to 70°C	
	Relative Humidity	Non-condensing	
	Altitude	Up to 2000 m	
	Cooling Concept	Natural Convection	
Mechanical	Impact Protection Class	IK10	
	UV Resistant	●	
	Mounting	Wall	
	Dimensions (W/H/D)	230 / 360 / 130 mm	
	Weight	5.1 kg	2.6 kg
	Colour	● Morandi Blue / ● Black	
	Cable Holder	●	–
Safety	DC Leakage Protection	●	
	Over Temperature Protection	●	
	Ground Protection	●	
	Surge Protection (EN60664)	● (Type III)	
	Certification	CE, TUV / EN/IEC 61851-1	

● Standard features / O optional features / – not available
1) Self-closing cover and built in electronic lock is standard / 2) Shutter for cover is optional / 3) LAN is optional
4) OCPP 1.6J will be available in 2022/10
Optional energy meter for solar charging function and dynamic load balancing
Version: July 2022

Technical Datasheet

11 kW Three Phase

		Cable Version	Socket Version
Input & Output	Rated Voltage	400 V ac	
	Rated Frequency	50 Hz / 60 Hz	
	Max. Output Power	11 kW	
	Max. Output Current	16 A	
	Standby Power Consumption	< 5 W	
	Residual Current Detection	Type A: AC 30 mA / DC 6 mA	
	Connector Type (IEC62196-2)	Type 2	Type 2 socket[1,2]
	Cable Length	5 m / 7.5 m	–
User Interface & Control	Network Interface	WIFI & Bluetooth-compatible & RS485 & LAN[3]	
	RFID/NFC Reader	●	
	Status Indication	LED Light strip	
	Built-in 4G	O	
	Smart APP	●	
	Communication Protocol	OCPP1.6J[4]	
Working Environment	Protection	IP65 (Enclosure)	
	Operating Temperature	-25°C to 50°C	
	Storage Temperature	-40°C to 70°C	
	Relative Humidity	Non-condensing	
	Altitude	Up to 2000 m	
	Cooling Concept	Natural Convection	
Mechanical	Impact Protection Class	IK10	
	UV Resistant	●	
	Mounting	Wall	
	Dimensions (W/H/D)	230 / 360 / 130 mm	
	Weight	5.1 kg	2.6 kg
	Colour	● Morandi Blue / ● Black	
	Cable Holder	●	–
Safety	DC Leakage Protection	●	
	Over Temperature Protection	●	
	Ground Protection	●	
	Surge Protection (EN60664)	● (Type III)	
	Certification	CE, TUV / EN/IEC 61851-1	

● Standard features / O optional features / – not available
1) Self-closing cover and built in electronic lock is standard / 2) Shutter for cover is optional / 3) LAN is optional
4) OCPP 1.6J will be available in 2022/10
Optional energy meter for solar charging function and dynamic load balancing
Version: July 2022

Technical Datasheet

22 kW Three Phase

		Cable Version	Socket Version
Input & Output	Rated Voltage	400 V ac	
	Rated Frequency	50 Hz / 60 Hz	
	Max. Output Power	22 kW	
	Max. Output Current	32 A	
	Standby Power Consumption	< 5 W	
	Residual Current Detection	Type A: AC 30 mA / DC 6 mA	
	Connector Type (IEC62196-2)	Type 2	Type 2 socket[1,2]
	Cable Length	5 m / 7.5 m	–
User Interface & Control	Network Interface	WIFI & Bluetooth-compatible & RS485 & LAN[3]	
	RFID/NFC Reader	●	
	Status Indication	LED Light strip	
	Built-in 4G	O	
	Smart APP	●	
	Communication Protocol	OCPP1.6J[4]	
Working Environment	Protection	IP65 (Enclosure)	
	Operating Temperature	-25°C to 50°C	
	Storage Temperature	-40°C to 70°C	
	Relative Humidity	Non-condensing	
	Altitude	Up to 2000 m	
	Cooling Concept	Natural Convection	
Mechanical	Impact Protection Class	IK10	
	UV Resistant	●	
	Mounting	Wall	
	Dimensions (W/H/D)	230 / 360 / 130 mm	
	Weight	5.1 kg	2.6 kg
	Colour	● Morandi Blue / ● Black	
	Cable holder	●	–
Safety	DC Leakage Protection	●	
	Over Temperature Protection	●	
	Ground Protection	●	
	Surge Protection (EN60664)	● (Type III)	
	Certification	CE, TUV / EN/IEC 61851-1	

● Standard features / O optional features / – not available
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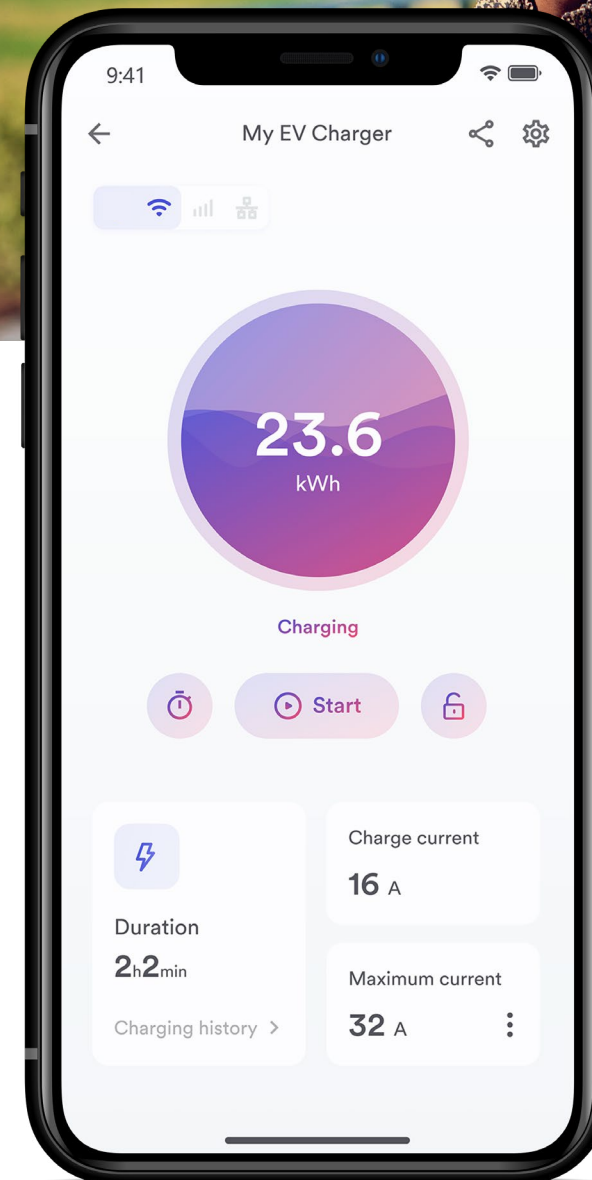Version: July 2022

Ai-charging App

Our state-of-the-art Ai-charging App allows you to manage, configure and control your charger remotely from your mobile device. Full control in the palm of your hand!

With an elegant and user-friendly interface. We, at Solplanet are driven by the idea of making things easy for installers and end-users alike, we've developed this App after thoroughly researching the habits and needs of our users.

Join us for a fully charged drive towards a green future!

Features

- **Multiple wireless control solutions:**
  Standard wireless communication via WIFI / BLE / 4G (opt.)

- **Charging history:**
  Understand your personal charging habits through a graphical interface, to optimize your experience

- **Scheduled charging sessions:**
  Manage your charging times and save costs by using off-peak electricity rates or your own solar energy production.

- **Security:**
  Instantly lock and unlock your charger through your mobile device

- **Shared management:**
  Easy-to-use configuration to grant shared management access to your family or community

- **Upgrade service:**
  Compatible with an energy meter, allowing you to take advantage of solar charging and dynamic load balancing feature

Easy and smart charging experience.

To download the app search for "Ai-charging" or simply scan the QR codes:

Download on the App Store

Get it on Google Play

Harness the power of the sun

At Solplanet we strive to create the best possible experience for distributors, installers and end users. That's why our products are easy-to-install, reliable and user-friendly.

Easy-to-install
- Quick & easy-to-install with standard tools
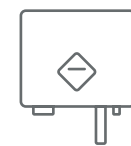- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable
- International quality standards
- Integrated DC switch
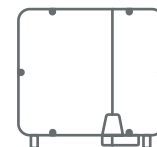- IP65 rated design for outdoor use

User-friendly
- User-friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Award winning inverter design

ASW 25-40 LT-G3

Explore our product catalogue

We offer a variety of high-quality products designed to cover your needs, no matter the size of your installation. Our deep experience in the PV industry and the manufacturing of solar inverters allows us to provide highly reliable interconnectable equipment. With this new SOL APOLLO EV Charger series, we give a new step to a greener future.

- Single phase string inverters
- Three phase string inverters
- Hybrid inverters
- AC EV Chargers
- Connect & monitor Systems

Visit our website and discover the Solplanet product family.

solplanet.net

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