

# ACE-S HomeAC Charger

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

The LIVOLTEK ACE-S HomeAC charger is your best choice for charging, it is easy to install and use, offers comfort and range anxiety free experience. It has 16A, 32A products for single phase and three phase system, fully meet your home charging needs. It also offers you greener and more economic features. While working in Dynamic Mode it can response to load balancing requirement. While working in ECO Mode, it can manage the charging power with LIVOLTEK solar ess system use more green energy.

## 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



## Specifications

| Model                       | A0030230E1SH                             | A0070230E1SH | A0110400E1SH                             | A0220400E1SH |
|-----------------------------|--|--------------|--|--------------|
| Product Name                | ACE-S 3.7kW                              | ACE-S 7.3kW  | ACE-S 11kW                               | ACE-S 22kW   |
| <b>Input/Output</b>         |  |              |  |              |
| 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             | 50/60Hz                                  |              |  |              |
| Grid Architecture           | TT/TN-S/TN-C-S                           |              |  |              |
| Charging Interface          | Type2 socket<br>(Type2s socket optional) |              | Type2 socket<br>(Type2s socket optional) |              |
| Connection Mode             | Case B                                   |              |  |              |
| <b>Protection</b>           |  |              |  |              |
| Leakage Current Protection  | AC 30mA + DC 6mA, PEN for UK version     |              |  |              |
| Surge Protection            | Support                                  |              |  |              |
| Overvoltage Protection      | Support                                  |              |  |              |
| Undervoltage Protection     | Support                                  |              |  |              |
| Overcurrent Protection      | Support                                  |              |  |              |
| Grounding Protection        | Support                                  |              |  |              |
| Short Circuit Protection    | Support                                  |              |  |              |
| Over Temperature Protection | Support                                  |              |  |              |
| <b>General Data</b>         |  |              |  |              |
| Dimension (W*H*D)           | 170X393X145 mm                           |              |  |              |
| Weight                      | 4.2kg                                    | 4.3kg        | 4.5kg                                    | 4.6kg        |
| Installation Mode           | Wall Mounting or Column Mounting         |              |  |              |
| IP Degree                   | IP54                                     |              |  |              |
| IK Degree                   | IK10                                     |              |  |              |
| Cooling                     | Natural Cooling                          |              |  |              |
| Working Temperature         | -30℃ ~ 50℃                               |              |  |              |
| Storage Temperature         | -40℃ ~ 70℃                               |              |  |              |
| Working Humidity            | 5% ~ 95% RH                              |              |  |              |
| Working Altitude            | ≤2000m                                   |              |  |              |
| Standby Power               | < 4.5 W                                  |              |  |              |
| User Indicator              | LED+APP                                  |              |  |              |
| Connectivity                | Bluetooth; Ethernet; Wi-Fi/4G (Optional) |              |  |              |
| User Authorization          | Free Charging; RFID; MyLivoltek APP      |              |  |              |
| Power Balancing             | Dynamic Mode; ECO Mode                   |              |  |              |
| Firmware Update             | Local / OTA                              |              |  |              |
| Electricity Measurement     | Build-in metering chip, accuracy 1.0     |              |  |              |
| External Communication      | RS485 / CAN                              |              |  |              |
| Communication Protocol      | LIVOLTEK Protocol / OCPP 1.6J            |              |  |              |
| <b>Standard</b>             |  |              |  |              |
| EMC                         | IEC-61851-21-2-2018                      |              |  |              |
| Safety                      | IEC-61851-1-2017                         |              |  |              |

CE UK RoHS