

# 22 kW AC Chargers

## Connectivity

- Wi-Fi, GSM & Ethernet
- OCPP 2.1J Compliant
- Authentication via App or RFID
- Configuration via the App or web portal

## Load Management

- Built-in Energy Meter
- Set up for External Energy Meter Integration or Dynamic Load Management
- Ready for Integration with Advanced Smart Building Energy Systems

## Design

- Type 2 AC (IEC 62196-2)

## Built-in Safety

- Over-Current
- Over-Voltage & Under-Voltage
- Ground Fault Detection
- Surge Protection
- Emergency Shutdown with Alarm
- Short Circuit



**Input Supply**

|               |                                        |
|---------------|----------------------------------------|
| Input Voltage | 415 VAC ( $\pm 10\%$ ), 3-phase, 50 Hz |
|---------------|----------------------------------------|

**Output Power**

|                |                                                              |
|----------------|--------------------------------------------------------------|
| Output Power   | 22 kW                                                        |
| Output Voltage | 32 A Max. Per Phase (11/22 kW) & 48 A Max. Per Phase (44 kW) |
| Output Rating  | 240 VAC                                                      |
| No. of Output  | 2                                                            |

**Environment**

|                     |                                   |
|---------------------|-----------------------------------|
| Ambient Temperature | 0°C to + 55°C (Derating Applies)  |
| Storage Temperature | -20°C to + 70°C (Dry Environment) |
| Altitude            | < 2000 m                          |
| Humidity            | 5% to 95%, non-condensing         |

**User Interface & Control**

|                     |                                |
|---------------------|--------------------------------|
| Display             | 4.3" LCD Screen                |
| Emergency Stop      | Mushroom Type                  |
| User Authentication | App / QR / RFID / Password     |
| Visual Indication   | RGB LEDs                       |
| RFID Specs          | RC 522, ISO/IEC 14443A, MIFARE |

**Protection**

|            |                                                                                                                                                                                                                                           |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protection | Over-Current, Under-Voltage, Over-Voltage, Over-Temperature, Residual Current, Surge, Short Circuit, Ground Fault, Emergency Shutdown with Alarm, Polarity Reverse, Insulation Monitoring, Leakage, Cable Temp Detection, Earth Detection |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Communication

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| Network Connection     | GSM / 3G / 4G, 10/100 Base-T Ethernet, Wi-Fi, Bluetooth |
| Communication Protocol | OCPP 2.1J                                               |
| Vehicle                | IEC 61851, ISO 15118 (EIM & PNC), DIN 70121             |

## Mechanical

|                |                  |
|----------------|------------------|
| IP Rating      | IP55             |
| Shell Material | CRCA Sheet       |
| Cooling        | Naturally Cooled |

|                      |                                                                                     |                                                                                      |                                                                                      |
|----------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Design</b>        |  |  |  |
| <b>Dimensions</b>    | 405 mm * 320 mm * 191 mm                                                            | 405 mm * 320 mm * 191 mm                                                             | 520 mm * 265 mm * 1667 mm                                                            |
| <b>Weight</b>        | 10 kg                                                                               | 16.3 kg (±5 kg Wooden Box)                                                           | 45 kg (±30 kg Wooden Box)                                                            |
| <b>Odering Code</b>  | --                                                                                  | PIIT2A1301100                                                                        | PIIT2A1301101                                                                        |
| <b>Certification</b> | ARAI in Progress                                                                    | ARAI in Progress                                                                     | ARAI in Progress                                                                     |