



BPE Electric Vehicle Charger

Amstel 7.4kW Smart



Main Benefits

- » Adjustable up to 32A (7.4kW) of charging
- » Integrated PEN Fault Detection
- » Dynamic Load Balancing up to 99A
- » Type 2 Tethered or Socket variants available
- » RFID or Auto-Start Features
- » Compatible with Solar PV charging
- » Integrated 30mA Type A RCD and separate 6mA DC detection device
- » Smart Tariff compatible
- » Comes with 2 snap-on covers as standard in Grey and Matte Black
- » OZEV Approved - qualifies for £350 Government grant

Dynamic Load Balancing

Dynamic Load Balancing regulates the charging power to harmonise with other household loads to avoid current overloading the main breaker. This is achieved by reducing the current draw of the EV charger so the system operates smoothly below the property's limit. This optimises home power usage and avoids tripping the breaker which would cause a power outage.

| Specification | | Amstel 7.4kW Smart |
|--------------------------|------------------------|---|
| Power Input | Input Rating | 230Vac ±10% Single-Phase |
| | Wiring | L+N+PE |
| | Frequency | 50/60Hz |
| Power Output | Output Power | 7.4kW max |
| | Output Current | Adjustable from 6A/8A/10A/12A/16A/20A/25A/32A |
| | Charging Interface | IEC 62196-2 Type 2 tethered or socket only |
| User Interface & Control | Status Indicators | RGB LED |
| | Isolator Switch | External Integrated Isolator Switch |
| | Card Reader | ISO/IEC 14443 A/B Mifare RFID reader |
| Communication | Network Interface | Wi-Fi/Bluetooth |
| Operating Features | Operating Modes | Normal, Solar Photovoltaic, Mains Hybrid, Full Speed Mode |
| | Dynamic Load Balancing | External adjustable DLB function up to 99A |
| Environmental | Operating Temperature | -25°C to 55°C |
| | Storage Temperature | -40°C to 70°C |
| | Humidity | 0%-95% no condensation |
| | Altitude | <3000m |
| Mechanical | Ingress Protection | IP65 |
| | Cooling | Passive cooling |
| | Dimension (WxHxD) | 140 x 390 x 205mm |
| | Weight | 6.2kg |
| | Charging Cable Length | 6m (tethered version only) |
| | Installation | Wall-mounted, Pole-mounted |
| Regulation | Certifications | CE, UKCA, IEC 61851-21-2018, EN IEC 61851-1:2019 |
| Warranty | Warranty | 3 Years |

