

# Distributed Power Solution

## 50kW - 600kW DC Fast Charging

The EV charging solution that grows with your business



**Best power vs. footprint ratio:** Each satellite can provide up to 150kW per plug (7x more than equivalently sized chargers)



**Fair for all:** Dynamically distributes available power to serve multiple vehicles at the same time



**Satellite design:** Easily handles charger port location on a wide variety of vehicles (limited need to back up/turn around to charge)

- Up to 150kW output per plug
- 2x outlets for **simultaneous charging**
- **CCS2, CHAdeMO, and Type 2 AC** supported
- Patented **advanced cable management**
- **Longer reach cables** for easy manoeuvrability (5m usable cable length)
- **Indoor and outdoor** suitable
- **Weatherproof** casing



- **-35°C to +50°C** operating temperature
- Reflective tape, LED lights and always-on screen for **high visibility**
- **7" touch screen** and clear icons
- LED **charging status** light bar
- Integrated **RFID reader for charge cards**
- Optional **credit card reader**
- **OCPP enabled** for cloud connectivity
- **Easy serviceability** and **low maintenance**

### Compact & versatile

Satellites can be arranged in preferred formation, whilst fitting easily into tight spaces and existing structures

### Reliability

Separate power modules are not dependent on each other. If one malfunctions, power is simply redistributed to ensure continuity of charging operations

### Future proof

Easy to scale up by adding more power modules or satellites over time

### Ergonomic design

Intuitive user touch screen, patented cable management and longer reach cables

## TECHNICAL SPECIFICATIONS

SATELLITE	
<b>GENERAL ELECTRICAL</b>	
<b>DC CHARGING PLUG OPTIONS</b>	CCS2 IEC 62196-3, CHAdeMO
<b>POWER / CURRENT DC<sup>1</sup></b>	LDV: 150kW (300A @ 500V) HDV: 240kW (300A @ 800V)
<b>VOLTAGE</b>	1000 V <sub>DC</sub> max
<b>STANDBY POWER</b>	25W
<b>DIMENSIONS (WxHxD)</b>	
<b>300 X 1518 X 300 MM FOOTPRINT</b>	501x2300x521 with cables
<b>ENVIRONMENTAL</b>	
<b>HUMIDITY</b>	<95% relative humidity
Device & charging cable over temperature protection	
<b>FEATURES</b>	
7" touch screen, welcome light, LED-status lights, advanced cable support system, RFID reader, optional card reader	
<b>STANDARDS</b>	
<b>ELECTRICAL SAFETY</b>	IEC 61851-1, IEC 61851-23
<b>EMC</b>	IEC 61851-21-2

POWER UNIT	LIGHT DUTY 500V SYSTEM	HEAVY DUTY 800V SYSTEM
<b>GENERAL ELECTRICAL</b>		
<b>INPUT VOLTAGE (AC)</b>	380-480 V <sub>AC</sub> + 6%/-10%	380-480 V <sub>AC</sub> + 6%/-10%
<b>INPUT FREQUENCY</b>	50Hz - 60Hz	50Hz - 60Hz
<b>OUTPUT VOLTAGE</b>	150 - 500 V <sub>DC</sub>	200 - 920 V <sub>DC</sub>
<b>POWER FACTOR (AT FULL LOAD)</b>	0.92	0.92
<b>EFFICIENCY (AT FULL LOAD)</b>	94%	94%
<b>IDLE POWER</b>	20 VA	20 VA
<b>STANDBY POWER</b>	C501: 50W, C502: 100W, C503: 150W	C801: 50W, C802: 100W, C803: 150W
<b>OVER VOLTAGE CLASS (OVC)</b>	III	III
<b>ICC</b>	35 kA	35 kA
<b>NETWORK TYPE</b>	TN-S, TN-C, TN-C-S, TT	TN-S, TN-C, TN-C-S, TT
<b>PROTECTIONS</b>	Over/under voltage, surge, short circuit, Earth leakage current, over temperature	
<b>ENVIRONMENTAL</b>		
<b>OPERATING TEMPERATURE</b>	-30C to +50C	
<b>CURRENT DERATING</b>	-1.5% of max. charging current 1C (above +40C)	
<b>MAXIMUM ALTITUDE</b>	2000m (without altitude derating)	
<b>ALTITUDE DERATING</b>	-1.4% of max. charging current per 100m (above 2000m)	
<b>STORAGE TEMPERATURE</b>	-40C to +60C	
<b>ENCLOSURE</b>	IP54, IK10	
<b>OPERATIONAL NOISE LEVEL</b>	<60dB (at 1m distance)	
<b>AMBIENT AIR HUMIDITY</b>	<95% relative humidity	
<b>FEATURES</b>		
3g/4G/LTE, WiFi, OCPP 1.6J/2.0		
<b>STANDARDS</b>		
<b>ELECTRICAL SAFETY</b>	IEC 61851-1, IEC 61851-23	
<b>EMC, HARMONICS</b>	IEC 61851-21-2	
<b>DIMENSIONS (WxHxD)</b>		
<b>1 CABINET</b>	650 x 2195 x 841 mm	
<b>2 CABINETS</b>	1250 x 2195 x 841 mm	
<b>3 CABINETS</b>	1850 x 2195 x 841 mm	

Ready to join the revolution?

Speak to our dedicated e-Mobility team

 [gilbarco.com/eu/emobility](http://gilbarco.com/eu/emobility)

 [euenquiries@gilbarco.com](mailto:euenquiries@gilbarco.com)

