

# 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 +55°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**
- Optional **card payment**
- **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 CHARGER	
<b>GENERAL ELECTRICAL</b>	
<b>DC CHARGING CONNECTOR</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>ENVIRONMENTAL</b>	
<b>AMBIENT TEMPERATURE</b>	-35C to +55C (with derating)
<b>MAXIMUM ALTITUDE</b>	4000m (with derating)
<b>STORAGE TEMPERATURE</b>	-40C to +60C
<b>ENCLOSURE</b>	IP54, IK10
<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 car reader	
<b>STANDARDS</b>	
<b>ELECTRICAL SAFETY</b>	IEC 61851-1, IEC 61851-23
<b>EMC</b>	IEC 61851-21-2
<b>DIMENSIONS (WxHxD)</b>	
<b>294x1500x240 mm FOOTPRINT</b>	501x2300x521 with cables

POWER UNIT	LIGHT DUTY VEHICLE (LDV)	HEAVY DUTY VEHICLE (HDV)
<b>GENERAL ELECTRICAL</b>		
<b>INPUT VOLTAGE</b>	380-480 VAC ±10%, 50-60 Hz	
<b>INPUT CURRENT<sup>1</sup></b>	82A - 985A	66A - 788A
<b>OUTPUT POWER<sup>1</sup></b>	50 - 60 kW	40 - 480 kW
<b>OUTPUT VOLTAGE</b>	150 - 500 V <sub>DC</sub>	200 - 800 V <sub>DC</sub>
<b>MAX OUTPUT V</b>	508 V <sub>DC</sub> with 400 V <sub>AC</sub> 650 V <sub>DC</sub> with 480 V <sub>AC</sub>	920 V <sub>DC</sub> with 400 V <sub>AC</sub> 1000 V <sub>DC</sub> with 480 V <sub>AC</sub>
<b>POWER FACTOR</b>	0.94	
<b>EFFICIENCY</b>	94%	
<b>STANDBY POWER</b>	50W	
<b>Protections:</b> Over/under voltage, surge, short circuit, Earth leakage current, over temperature		
<b>ENVIRONMENTAL</b>		
<b>OPERATING TEMPERATURE</b>	-40°C to +55°C (with derating)	
<b>MAXIMUM ALTITUDE</b>	4000m (with derating)	
<b>STORAGE TEMPERATURE</b>	-40°C to +60°C	
<b>ENCLOSURE</b>	IP54, IK10	
<b>HUMIDITY</b>	<95% relative humidity	
<b>OPERATIONAL NOISE LEVEL</b>	<60 dB	
<b>FEATURES</b>		
3g/4G/LTE, WiFi, OCPP 1.6/2.0		
<b>STANDARDS</b>		
<b>ELECTRICAL SAFETY</b>	IEC 61851-1-23	
<b>EMC, HARMONICS</b>	IEC 61851-21-2	
<b>DIMENSIONS (WxHxD)</b>		
<b>1 CABINET</b>	650 x 2150 x 825 mm	
<b>2 CABINETS</b>	1250 x 2150 x 825 mm	
<b>3 CABINETS</b>	1850 x 2150 x 825 mm	

## Ready to join the revolution?

Speak to our dedicated e-Mobility team

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

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