



SINEPOWER manufactures a variety of Electric Vehicle Chargers. The Electric Vehicle Chargers convert the source power with a specific input voltage and frequency in to a DC voltage and DC current that the client requires.



INPUT

- 400V/415V AC (± 10)
- 50Hz / 65Hz ($\pm 1\%$)
- Input current harmonics ($< 5\%$ @ Full Load)
- Power Factor Correction (PF=0.99)



OUTPUT

- Constant voltage (0V - 1000V)
- Constant Current (0A - max current)



OVERALL EFFICIENCY

- Up to 97%
- Stand-by power 100W.



TECHNOLOGY

- Enclosure Protection class up to IP54
- Over/under voltage at Input
- Variable fan speed for internal temperature control
- Over temperature protection
- Short circuit proof by electric current limiting and shutdown
- Wired Ethernet
- WIFI
- 3G.



OPTIONS

- OCPP (charger management)
- Dual CCS output



NORMS AND STANDARDS

- IEC 61851-1
- IEC 61851-23:AA (CHAdeMO)
- IEC 61851-23:CC (CCS)

SPECIFICATIONS

INPUT / RECTIFIER - 12P

- 3P+PE 400V/415V AC $\pm 10\%$
- 50Hz / 60Hz $\pm 1\%$
- Input current harmonics $< 5\%$ @ Full Load
- 12 Pulse Bridge
- High Efficiency
- Low Inrush Current | Soft Start $< 10\%$

ENVIRONMENTAL CONDITIONS

- Ambient temperature (min/max) -40°C to $+40^{\circ}\text{C}$
- Relative humidity (min/max) 10% to 90% without condensation
- Altitude | Up to 2000m

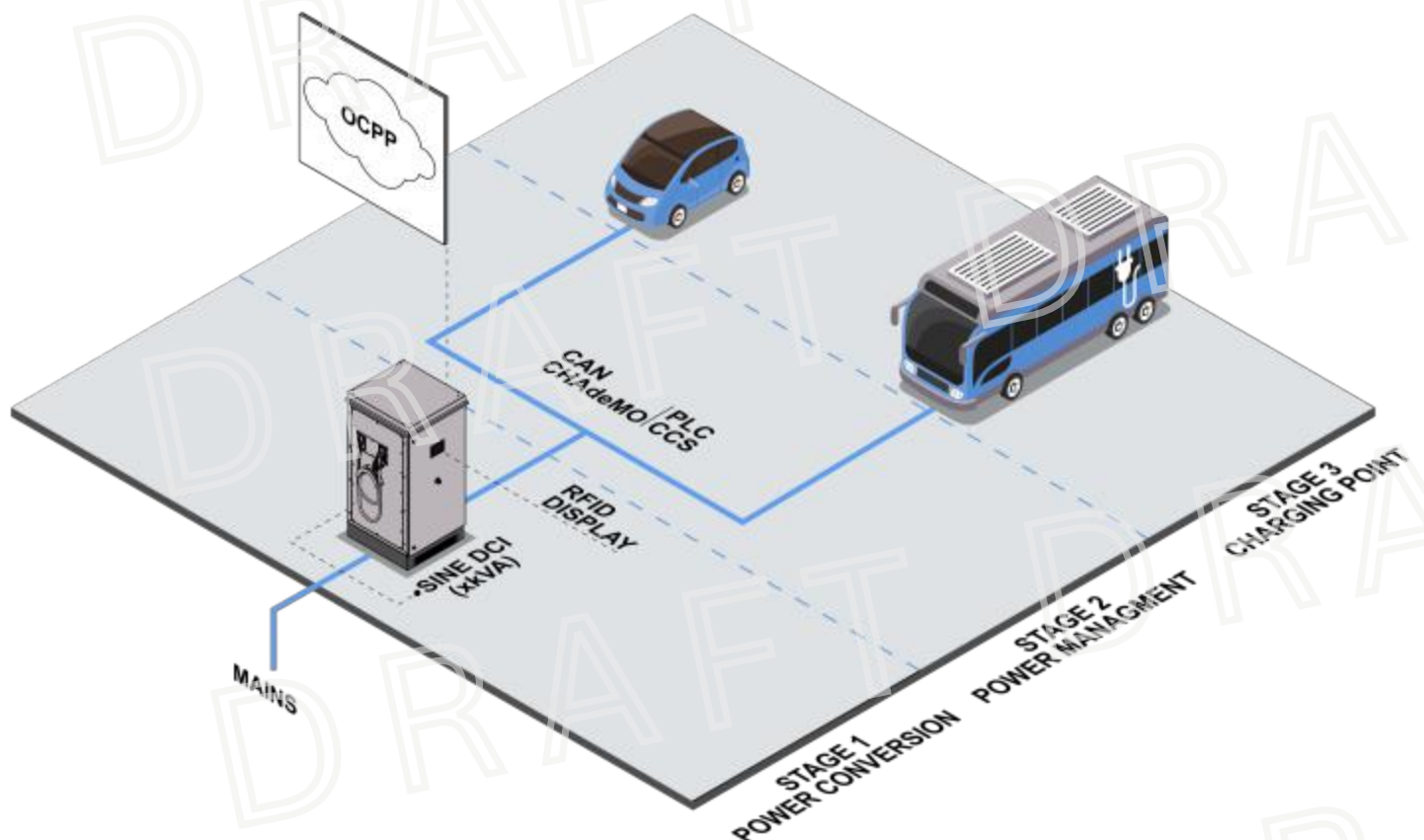
OUTPUT / DC-DC CONVERTER

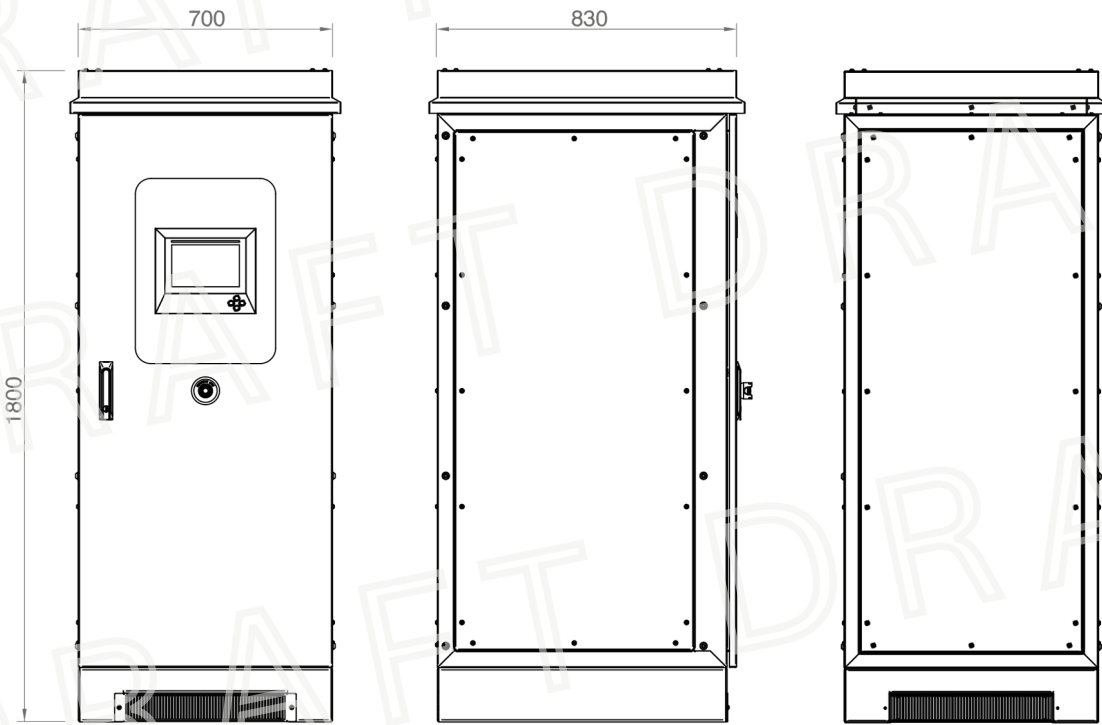
- 0-1000 VDC $\pm 1\%$
- 0-MAX ADC $\pm 0.25\text{A}$
- High efficiency buck IGBT Converter, constant voltage, constant current

* Other voltages and frequencies available on request

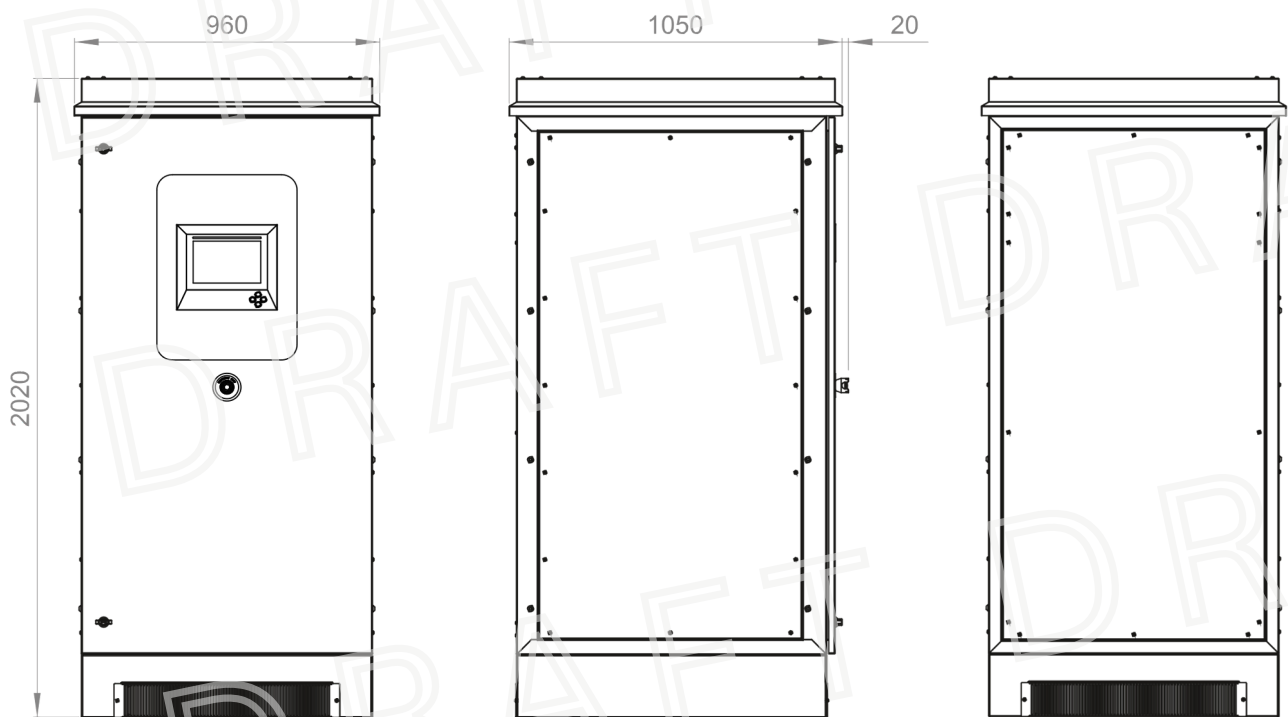


PROTOCOLS

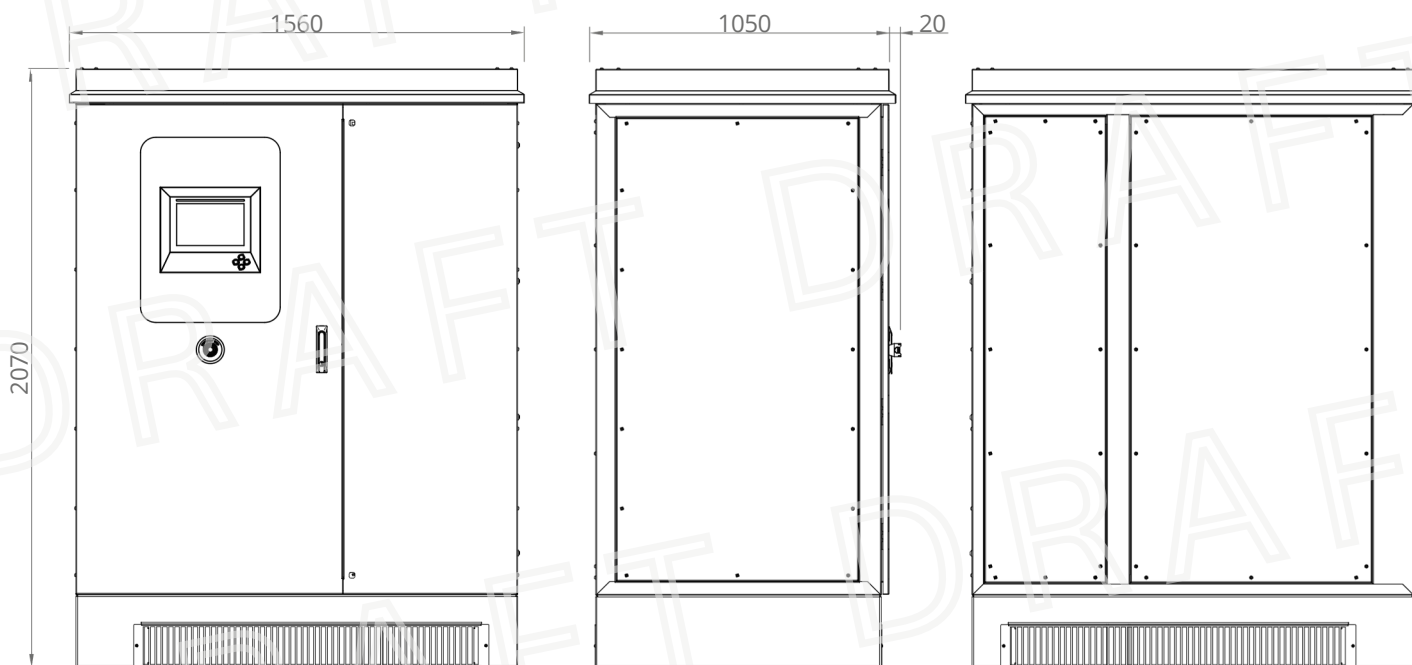




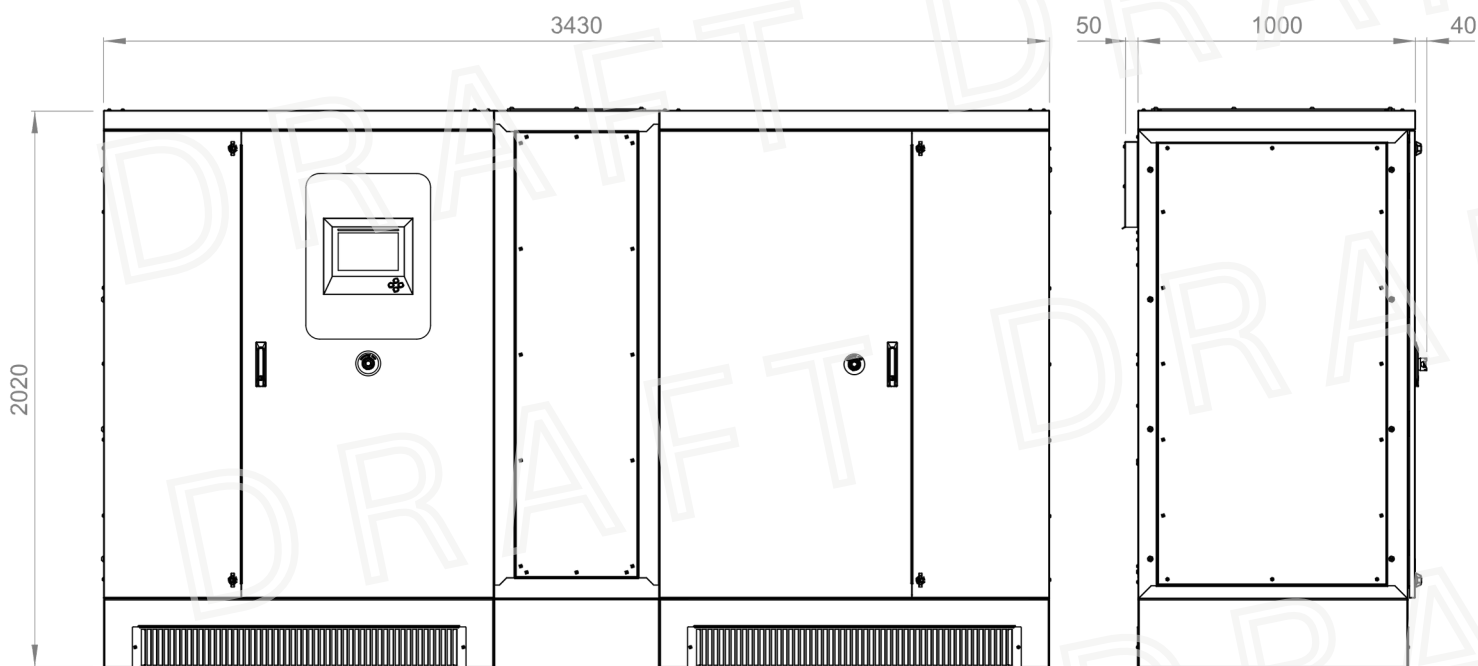
Enclosure for 50-100kW



Enclosure for 200kW



Enclosure for 300 and 400kW



Enclosure for 600 and 800kW



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