3.3 KW Charger

Specification

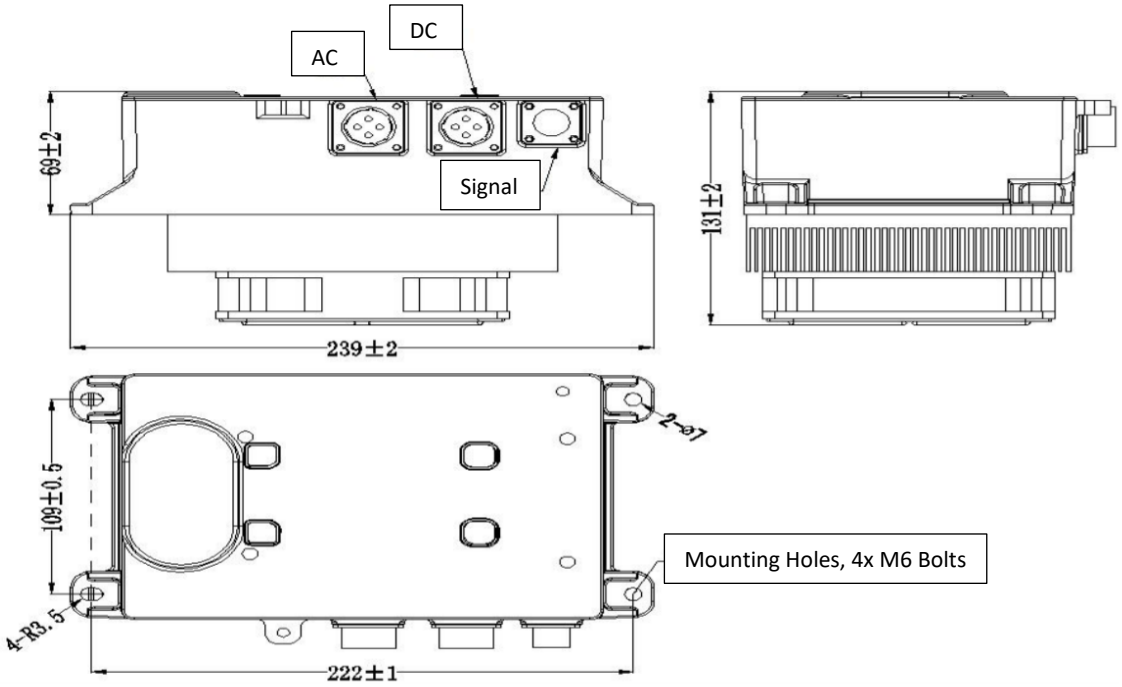
Low Voltage Output	**Output Mode**	Constant Voltage
	Output Voltage	13.8V
	Rated Current	5A
	CV Accuracy	+/- 2%
	Maximum Current	5.5A
Input	**Frequency**	45-65Hz
	Voltage	AC90~265V
Main Output	**Output Mode**	Constant Voltage/Constant Current
	Max Output Power	3300W@220Vac 1600W@110Vac
Communication	**Can Bus**	Elcon Can Bus message structure
	Baud Rate	500Kbps
	Termination Resistor	NO

*programming to different speed possible

Output Models

	Output voltage Range (CV Setting Range)	**Output current -Maximum (Max CC setting)**
Charger33-99V	18-99V	40A

Installation



Connections

Connector	Pin	Function
AC Input	**A**	Neutral
	B	Live
	C	NC
	D	Protective Earth
DC Output	**A**	Positive
	B	Negative
	C	Negative
	D	Positive
Signal	**A**	Can Low
	B	Can High
	D	12V + Out
	E	Ground

LED states

1). Initial State

Red Off Green Off Red Off Green Off Red Off Green Off Red Off Green Off

2). Charging State

Red Off Red Off Red Off Red Off Red Off Red Off Red Off Red Off

3). Stand-by State

Green Off Green Off Green Off Green Off Green Off Green Off Green Off Green Off

4). Fault State

Red Green Red Green……Other error status word error

Red Green……Wrong Battery

Red Green Red……Wrong Communication

Green Red……Wrong Input Voltage

Green Red Green……Internal Temperature Protection

Green Red Green Red……Wrong Hardware

Function

Charger will communicate over Can Bus when AC voltage is applied.

BMS will need to send Charger Command over Can Bus to activate charger.

Both AC voltage and DC battery connection need to be present for charging to start.

When Charger reaches desired voltage requested by BMS it will ramp down the current and stop when voltage is reached.

Charger will shut down if Can Bus messages are not received every 0.5 second.