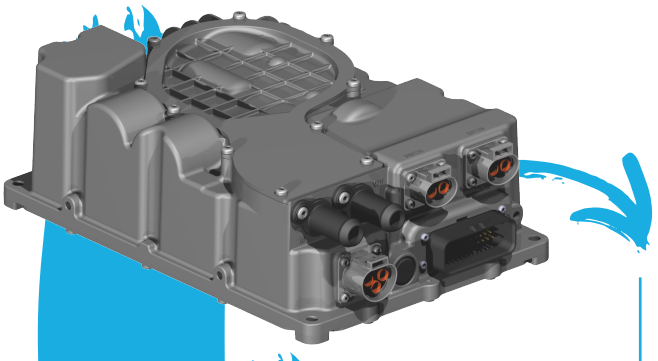
THE CHARGER OF CHANGE

CT3.3

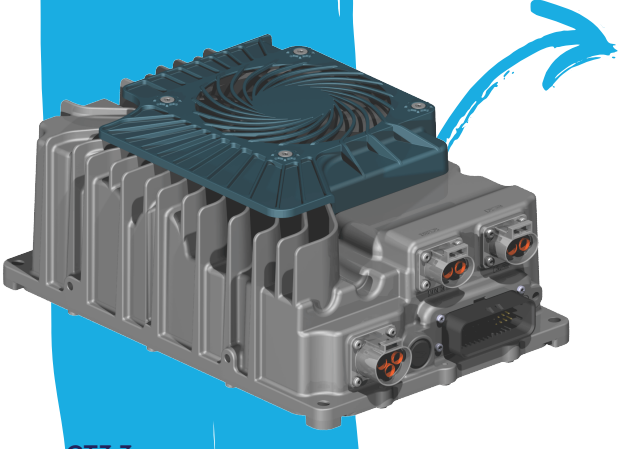
The CT3.3 is a concentration of technology with minimum dimensions and maximum performance.

Available with air or liquid cooling systems, the CT3.3 is the charger of the future.

COMPACT | POWERFUL | FLEXIBLE | RUGGED | MADE IN EUROPE



CT3.3
LIQUID COOLED



CT3.3
AIR COOLED

SUITABLE FOR:

COMPACT

Compact design to optimize and minimize installation space.

POWERFUL

High performace to support your fast charging.
3.3kW output power and more in stackable configuration.

FLEXIBLE

Fully configurable with different available options:
- input over voltage protection
- 500W integrated DC/DC converter
- integrated EVSE controller for charging from EV AC charging stations.

RUGGED

Automotive grade design, robust and sealed charger, IP 67, wide operating temperature range.
Vibration proof design best fit for non-road mobile machinery and on-road vehicle applications

ZIVAN®
HIGH FREQUENCY BATTERY CHARGERS

Via Bertona 63/1, - 42028 Poviglio (RE)
Ph. +39 0522 960593 - Fax. +39 0522 967417
www.zivan.it

TECHNICAL FEATURES*

DC Output	58.8V Models	65V Models	120V Models
Nominal output power		Nominal output power 3300 W	
Output voltage range	30 - 58.8 VDC (voltage Class A)	30 - 65 VDC	70 - 120 VDC
Max output current	65 A	65 A	40 A

Aux DC Output (optional)	Drive Mode	Charging Mode
Nominal power output	500 W	70 W
Nominal output voltage	13.7V (configurable from 12 to 14 V)	
Output current	0 - 37 A	0 - 5 A

AC Input	All Models
AC Input voltage range	85-270 VAC
Nominal AC Input frequency	50/60 Hz
Max AC Input current	16 A
Power factor correction	> 0.98

Communication	Configurable Models	
Isolated CAN Bus	CANopen and SAE J1939 protocols, UDS diagnostic supported	
BMS wake up	12V/7,5W	24V/15W
EVSE compatibility (optional)	SAE J1772 (level 1 and 2) and EN 61851 (Mode 2 and 3) GB/T 18487.1	
EV receptacle signals (optional)	Receptacle lock actuator, control up to 6 receptacle indication LED's, inlet sensor temperature signal	

	Protection
Input	Surge, over current, under/over voltage protection Input overvoltage protection OVP (optional) up to 650 Vpeak
Output	Short circuit, over-load, reverse polarity, over voltage protection, over temperature, current limit protection

Mechanical	Fan cooled Models	Liquid cooled Models
Dimension (including connectors)	300 x 200 x 110 mm (11.8 x 7.9 x 4.3")	300 x 200 x 100 mm (11.8 x 7.9 x 3.9")
Weight	<5 kg (<11 lbs)	
Cooling	Forced convection with variable speed fan	Liquid coolant (50:50% Glycol/Water)
IP Protection	IP67	
AC Connector	Amphenol PL series	
High voltage & AUX DC Connector	Amphenol PL series	
Signaling connector	TE AMPSEAL series	
Mounting holes	M6 diameter holes	

Environmental & Standard Compliance	
Global standard compliance	UL/CSA, CE, UE and FCC residential EMC, UNECE R10/R100, ISO 13766 EMC
Environmental	Vibration & Shock profile according to Non-Road Mobile Machinery and On-Road Vehicle applications
Efficiency	93% peak efficiency, California Energy Commission (CEC)
Operating temperature	-40°C/+70°C (-40°F/+158°F) full nominal power up to +50°C (+122°F) ambient temperature
Storage temperature	-40°C/+85°C (-40°F/+185°F)

c PS us CERTIFIED ELECTRICAL SAFETY BC CE UK CA

*Preliminary target specification.