

FOTON e AUMAN C Mixer

FOTON
MOBILITY
DISTRIBUTION



The EV Concrete Truck Mixer for today! **Low Power Consumption. CATL Battery.**

Quiet and Efficient

0% tailpipe emissions with 100% performance.
Near silent operation. A pure electric motor driving the agitator, in turn removing ground dust clouds created by viscous fan cooling.

Powerful Performance

Globally recognised CATL 282 kWh LFP battery.
With a rated drive motor torque of 1300NM and rated power of 260kW, allowing maximum gradeability of 25%.

Health and safety

On board 360 degree vision allows the driver to be aware of their surroundings at all times.

Reduced dust in operating conditions and reduced noise, means enhanced protection for everyone on the worksite.

Peace of mind

FOTON offers a market leading warranty with a huge 5 years or 200,000km (Whichever comes first) on the EIC system. This covers the power battery pack, PEU, VCU, drive motor, drive motor controller. HV Wiring, HV central electrical box, GPRS, electric water pump, electric vacuum pump, electric steering pump and the electric transmission controller. The chassis is covered under an unlimited mileage 1 year warranty.



Change your Fuel. Change the World.

fotonmobility.com.au

Specifications

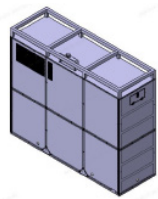
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Completed Vehicle			
Basic Performance Parameters	Drive Type	8 X 4	
	Colour	Standard white, customised color available.	
	L X W H (mm)	9369 X 2500 X 3695	
	Tare weight	14200	
	GVM (kg)	31000	
	Wheelbase (mm)	2000 + 2850 + 1350	
	Front/Rear suspension (mm)	1460/1800	
	Approach angle/departure angle (°)	17/32	
	Minimum ground clearance (mm)	300	
	Minimum turning radius (m)	20.8	
	Full load maximum speed limit km/h	90	
	Gradeability (%)	25%	
	Time required to charge from 20% to 95% (h)	1.5	
	Range (km)	200 km (driving at 40km/h constant speed)	
Parameters of container	Mixer tank size m3	8	
	Type	Loxa Mixer Tanks	
	Drive Motor for mixer tank	Electric drive for mixer tank	
Battery System			
Battery Parameter	Type	CATL 282 KWh, C Box	
	Nominal voltage, capacity (VAh)	618, 456	
	Cooling type	Liquid Cooling	
	Heating type	Heated by heating film	
On Board Battery	Lead Acid	180Ah *2	
Electric Drive System			
Main Drive Motor.	Motor Model/Type	TZ400XS/TPG46	
	Rated/peak power (kW)	260/400	
	Rated/peak speed (rpm)	1910/3000	
	Rated/peak torque (Nm)	1300/2500	
MCU	Brand, Model	L1218030301A0	
	Rated/Maximum operating voltage (VDC)	*9 - 32	
Transmission	Continuous/maximum operating current (ADC)	250mA/2A	
	Brand, Model	TS-0425C (4 gears)	
	First gear ratio	5.53	
	Maximum gear ratio	5.53	
Reverse gear ratio		5.53	
	Chassis System		
	Front and rear axles	Tonnage (t)	6.5T, 6.5T, 13T, 13T
Rear axle ratio		5.57	
Number of leaf springs		*3/3/5	
Brake	Type	Dual circuit air brake	
	Front brake type	drum brake	
	rear brake type	drum brake	
	Safety	ABS	
		ESP/ESC	
		EBS	
Park Brake	Air Sprung		
Air tank	Aluminum alloy material		
Tyre	Brand, Model, Pattern.	11R22.5	
Rim	Material	Steel/Alloy	
Other configuration • standard ○ optional			
Security auxiliary configuration	Headlamp	Halogen headlamp	
	Wind Deflector	No	
	Steering wheel	Multifunction steering wheel	
	Combination meter	TFT colour screen with CAN connection	
	Window regulator	Electric	
	Wiper	Variable speed	
	Electronic lock	•	
	Rear-view mirror	Manual rear-view mirror, heated glass	
	Tbox	•	
	ABS	•	
Comfort configuration	Cab model	CTL-E-2490 RHD, mid-length body with standard floor and roof	
	Drivers seat	Air bag seat with cooling fan and heating	
	Central control	•	
	All flexible package	•	
	USB charging port	•	
Environmental configuration	Cigarette lighter	•	
	Insulated enclosure of power battery	○	

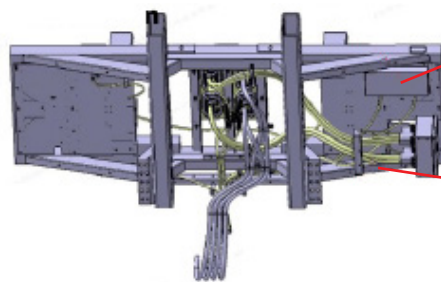


Battery System Solution: CATL

Product Information	Parameter	Maturity Assessment
Battery Supplier	CATL	Global leader in battery supply 37.7% GMS
Cell Type	LFP 228Ah	Safer electrochemical system.
Grouping method	Cell: 2P192S / Standard container: 2P4S	Mature TEU resources.
Rated Capacity	456Ah	Designed to meet the Australian usage requirements.
Rated Energy	281.92 kWh	
Rated Voltage	618.24V	
Voltage Range	480-700.8	
Continuous discharge power	278kW	
Peak charge and discharge power	433kW	
Energy density	157 Wh/kg	
Thermal management	Cooling: Liquid cooling Heating: Heating film	
Working environment temperature / °C	System: -30°C ~ 60°C	
	Battery charging 0 ~ 60°C	
	Battery discharging - 30°C ~ 60°C	



Foton designed battery box for future battery swap option. Including battery management system and cooling pack. Designed steel box for user and component protection.



EVCC installation and low-voltage wiring harness installation

Replaced with European standard charging seat wiring harness assemble

Drive Motor



Product Information	Parameter
Motor Model	TZ400XSTPG46
Rated Power	260kW
Peak power	400kW
Rated Torque	1300Nm
Peak Torque	2500Nm
Rated rotation speed	1910 RPM
Maximum Rotational speed	3000 RPM
4 speed Transmission Parameters	
Transmission model	TS-0425C
Maximum input	2500Nm
Transmission speed ratio	7.93 / 3.53 / 1.74 / 1.00
Total assembly mass	≤565kg
Dimensions (mm)	1209 X 661 X 607
Maximum output torque	19825Nm
Top speed	Limited to 90km/h



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ECO-FRIENDLY

Electric Powered

