

**SOLID TO SUCCEED**



# XC988-EV

**GREEN POWER PIONEER  
LOADING GREAT FUTURE**



**PURE ELECTRIC LOADER**



**XCMG EARTHMOVING MACHINERY  
BUSINESS DIVISION**

CUSTOMER SERVICE  
HOTLINE (IN CHINA): **400-110-9999**

ADDRESS: NO. 99, KUNPENG NORTH ROAD, XUZHOU ECONOMIC  
DEVELOPMENT ZONE, JIANGSU PROVINCE, CHINA  
ZIP CODE: 221004  
TEL: 0516 87938888  
EMAIL: sales@xcmg.com  
SITE: <http://www.xcmg.com>

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1. Scan the QR code to follow "XCMG Loading Machinery"  
2. Click the "Loader King" in the lower left corner to obtain  
more product details after registration.

# Main Features of the Product

# Main Configuration Parameters

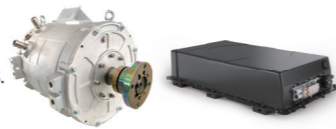


As a representative model of XCMG's third-generation pure electric wheel loader, XC988-EV takes the lead in adopting the innovative "Tri-motor" technical solution in the industry, that is, the machine is designed without a transmission. It is not only incorporated with XCMG's core independent power intelligent matching optimization technology to realize integrated intelligent control of the motor power, speed, torque and other parameters, but also designed with intelligent thermal management system, energy recovery, and three-level error protection in order to ensure intelligent, efficient and safe operation of the machine. It is suitable for operation at an ambient temperature from -40°C to 50°C, and can be widely used in steel mills, power plants, coking plants, coal chemical facilities, coal yards, sand and gravel quarries, tunnels and other fields.



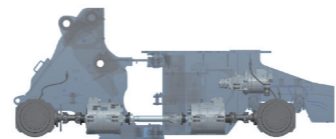
### Green pure electric drive, more environmentally friendly and emission reduction

- 1 Replace "oil" with "electricity", meaning that both the vehicle's propulsion system and hydraulic system are driven by electric motors, achieving pure electric, zero emissions, and pollution-free operation. At the same time, it can save maintenance costs such as diesel engine air filters, oil filters, and diesel filters.
- 2 The average energy consumption cost is about one-third of that of a diesel engine, significantly reducing operating costs.



### Intelligent and powerful, efficient and energy-saving operation

- 1 The walking system adopts the industry's innovative series-connected dual-motor drive technology, capable of intelligent coupling transmission, making it more intelligent and powerful.
- 2 The industry's first gearbox-free solution reduces feedback rates, eliminates gearbox maintenance costs, and saves money and worry.
- 3 The whole machine comes standard with FNR handle function, which can adjust the motor speed in real-time according to the throttle opening, achieving seamless speed changes and more efficient operation.
- 4 The motor controller, through detecting braking or throttle signals, can enable the motor to reverse charge the battery during operation, making the operation more energy-efficient.



### European and American high-end platform, comfortable, quiet, and convenient

- 1 The all-new XC9 series European and American high-end platform products are designed according to CE, North American, and other standards, featuring a new industrial design appearance.
- 2 Equipped with standard ultra-curved, panoramic, international driving cab, with humanized layout and smooth styling, providing openness, transparency, quietness, and comfort.
- 3 Designed with large articulation, large opening, and mining-grade chassis components, utilizing intelligent design methods such as CAE simulation analysis and robot welding, meeting various heavy-duty working condition requirements.
- 4 Equipped with standard full rear flip electric control lifting machine, with a large opening angle, making maintenance and upkeep more convenient.



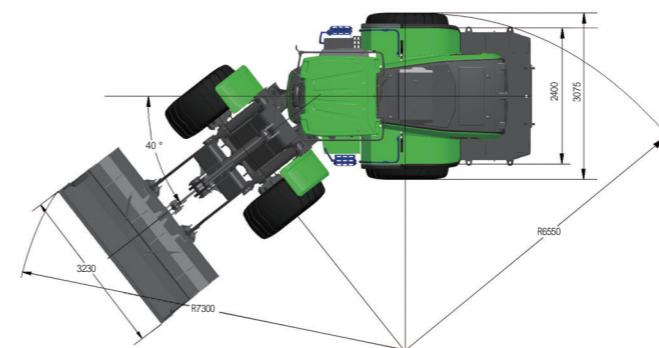
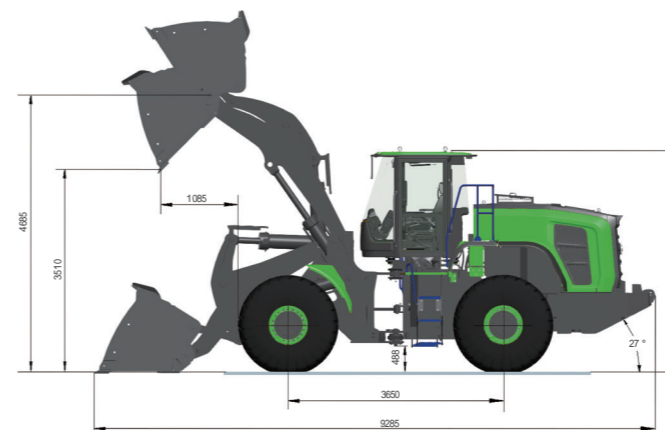
### Enjoy super long quality assurance, reliable and worry-free safety

- 1 Key electrolytic components such as the "three-electric system" adopt standardized and modular design, using internationally renowned brands, meeting dustproof and waterproof requirements equivalent to the IP67 level of civil commercial vehicles. The battery and motor come with a warranty of five years or 10,000 hours (whichever comes first), ensuring safety and reliability.
- 2 Key component systems adopt intelligent thermal management systems such as electronic fans, meeting different operational requirements, and providing smarter and more efficient operation.
- 3 The whole vehicle is designed with three-level fault safety protection functions, allowing users to freely set low battery charge prompts, display operating status information, fault information, etc., through the display screen. It also enables remote fault diagnosis, providing smarter and worry-free operation.



### Dual-gun direct current fast charging, ultra-long endurance

- 1 The vehicle is equipped with two charging interfaces on the left side, meeting national standards and supporting dual-gun, direct current, fast charging. Additionally, either of the two charging interfaces can be selected for single-gun charging.
- 2 The recommended specification for charging piles is 240kW-360kW, and it is essential to strictly follow relevant usage requirements for charging.
- 3 Endurance time varies depending on the operational conditions, generally allowing for continuous operation for 6-10 hours under normal conditions.



Main Specifications	Unit	XC988-EV
Rated Load	Kg	8500
Rated Bucket Capacity	m <sup>3</sup>	3.5-6.5
Operating Weight	kg	28600
Total Rated Power of Motors	kW	590
Dumping Height	mm	3510
Dumping Reach	mm	1085
Wheelbase	mm	3650
Track Width	mm	2400
Maximum Traction Force	kN	225
Maximum Breakout Force	kN	240
Cycle Time	s	10.6
Maximum Gradeability	°	27
Steering Angle	°	40
Forward I/Gear	km/h	18/35
Reverse I/Gear	km/h	18/135
Overall Dimensions (Length x Width x Height)	mm	9285x3230x3670

Main Configurations	Specifications of Items	XC988-EV
Drive Axle	Brand Category	XCMG Wet Axle
Working Hydraulic System	Type	Dual Pump Confluence
	Operation Method	Pilot Operation
Steering Hydraulic System	Type	Flow Amplification
Braking System	Traveling Brake	Fully Hydraulic, Wet Type
	Parking Brake	Liquid Control, Caliper Type
Air Conditioning System	Type	Electric, Cooling and Heating
Control System	System Voltage	DC 24V
Tires	Specifications	26.5-25-28PR
Endurance Time	Normal Conditions	6-8h
	Overload Conditions	5-6h
Charging Time	300kW Charging Pile	120min
Charging Pile Specifications	Optional Specifications	240~360kW
	Antifreeze	45L
Fuel Refueling	Drive Axle Oil	Front Axle 61L, Rear Axle 61L
	Hydraulic Oil	160L

Battery Motor Project	Unit	XC988-EV
Power Battery	Specification Category	Lithium Iron Phosphate (LiFePO4)
	Rated Capacity	Ah 906
	Stored Energy	kWh 525
	Nominal Voltage	V 580
	Protection Level	/ IP67
	Cooling Method	/ Intelligent Temperature-Controlled Water Cooling
Drive Motor	Rated Power	kW 2 × 160
	Protection Level	/ IP67
	Cooling Method	/ Forced Water Cooling
	Ambient Temperature	°C -40/55
Hydraulic Motor	Altitude	m 4500
	Rated Power	kW 150
	Protection Level	/ IP67
	Cooling Method	/ Forced Water Cooling
Ambient Temperature	°C	-40/55
	Altitude	m 4500

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 • XCMG reserves the right of final interpretation for the above. Our products may be modified without prior notice to users.