


## Technical Specification:

FR-max		
Mechanical Specifications	Dimension(L*W*H)	1600*820*520mm
	Weight	156kg
	Drive form	Front Ackermann steering, rear motor drive
	Suspension	Non independentt suspensions
	Structure material	Q235
	Ground clearance	110mm
	Wheel base	850mm
	Wheel track	645mm
	Tire diameter	120/70-10, 420mm
Basic Information	Motor power	1800W DC brushless motor
	Battery power	Lithium battery 48V/40AH, with BMS
	Charging time	≤4h
	Charging mode	48V/10A manually charger
	Battery output power for external devices	48V/20A-24V/15A-12V/15A
	Braking	Hydraulic disc brake+motor brake
	Parking	Electromagnetic power off parking
	Indicator	√
	Brake light/deceleration light/malfunction light	√
Security Setting	Emergency stop	√
	Instruction verification	√
	Heartbeat protection	√
	Driver system troubleshooting	√
	Emergency power failure protection	√
	Battery malfunction protection	√
	CAN node detection	√
	Malfunction classification	√
	Malfunction alarm	√
	Charging protection	√
VCU Information	CPU basic frequency	168MHz
	Interface	CAN Interface
	Communication module	CAN 2.0B
	Kinematic analysis	√
	Remote control distance	100m
Performance	Payload	300kg
	Max speed	0-18km/h
	Mileage	40km
	Turning radius	2.4m
	Climbing capacity	10°(full load)
	Obstacle surmounting height	60mm
	Span width	200mm
	IP Rating	IP44
	Working temperature	-20℃~50℃