

WLR-5 Explosion-proof electric command vehicle



WLR-5 Explosion-proof Electric Command Vehicle Parameter Table

Vehicle Technical Parameters		WLR-5 Explosion-proof Electric Command Vehicle
Lengthxwidthxheight(mm)		(4980±40)X(1950±19)X(2140±20)
Wheelbase(mm)		3000
Wheelbase front/rear(mm)		1650/1675
Front/Rear Suspension(mm)		820/1160
Ground clearance(mm)		≥ 200
Maximum total mass(kg)		4900
Total Vehicle Weight(kg)		4500
Rated passenger capacity (persons)		5
Maximum speed(km/h)		≤ 25
Axle load fully loaded front/rear (kg)		2050/2850
Minimum outside turning radius (m)		≤ 7
Maximum Climbing Gradient(°)		14

Vehicle Technical Parameters		WLR-5 Explosion-proof Electric Command Vehicle
Motor	Motor type/model	Mine explosion-proof permanent magnet synchronous variable frequency motor/TBVF1-90/1.2YC(380)
	Location	Center
	Cooling method	Liquid cooling
	Power (rated/peak kw)	60/120
	Torque (rated/peak N.m)	350/700
Electronic control	Speed (rated/peak rpm)	1650/3400
	Electronic control type	Integrated controller: MCU/PDU/DCDC/DCAC
	Electronic control capacity (KVA)	200
Battery	Working voltage range	DC250-355V
	Vehicle control unit	Explosionproof and intrinsically safe controller (including remote data transmission)
	Power Battery	320v,230Ah, 2 Included73.6kwh
	Battery Type	Lithium Iron Phosphate
Charging time		DC charging1.5h (20%-100%)

Project	Standard configuration	Optional
Body main assembly	1 Body structure	Rectangular steel tube skeleton plus skin
	2 Seat	Adjustable driver's seat, passenger seat, with three-point seat belt; Flip the three-person chair
Chassis parameters and configuration	1 Frame assembly	Riveted + welded frame
	2 Front axle	2.5T front axle, disconnecting front axle, single-stage final reducer
	3 Rear axle	4T rear axle, integral axle housing, single-stage final reducer, final reduction ratio 6.167, fine grinding gear
	4 Transmission system	Single-section, tubular, double cardan
	5 Suspension Systems	Independent suspension of double wishbone coil springs, two-way acting barrel shock absorbers, 3 rear leaf springs
	6 Steering system	Electric steering pump, rack and pinion, hydraulic power steering, steering wheel diameter 380
	7 Cooling system	Electric motor control liquid cooling, Explosion-proof electric water pump
Hydraulics	1 Hydraulic power source	Explosion-proof motor + constant flow double pumps
	2 Hydraulic station	Integrated hydraulic station, Equipped with hydraulic oil temperature and pressure sensors
	3 Emergency brake valve	Emergency stop button operation method, DC24V solenoid valve power supply, Control of rear axle parking brake
	4 Handbrake valve	Handle operation mode, Control of rear axle parking brake, Configuration of Parking Pressure Sensor
Brake system	1 Front axle	6T class front axle service brake
	2 Rear axle	6T class rear axle travelling parking brake
Low-voltage electrical systems	1 Power box	24V 20Ah Explosion-proof and intrinsically safe lithium-ion battery power packs+1.5KWDC-DC
	2 Surveillance system	Reversing camera, reversing radar
	3 Other	Cabin Passenger Parking Request/Alert Switch, Methane Sensor, Carbon Monoxide Sensor, Brake hydraulic oil temperature, Pressure monitoring alarm and oil level observation window, Intelligent diagnosis and real-time automatic reporting of faults configured in the vehicle control unit Function (Display of fault code information)
On-board accessories	2 car arresters; 1 warning triangle; 1 set of on-board accessories and tools	

*The right of interpretation of the above parameters belongs to Hubei SAFE SEIKO, and any modification will not be notified, and the illustrations in the text are not necessarily the standard models of this model.