

WJD-0.6B (0.6 cubic meter) UG Wheel Loader (BEV)



KAMACH MINING developed this battery drive underground wheel loader, is more advanced than the electric loader with cables, and it represents the highest technology globally.

0.6 cubic meter battery drive underground wheel loader with 1.2 metric ton rated loading capacity, may be upgraded to 1.6 metric ton loading capacity. Pure battery drive, strong force, quick reaction, zero emission, low heat output, low noises, are the advantage of battery drive loaders, it highly deduces the ventilation requirement and cost, help you to realize cleaner, safer, and quieter tunnel working environment.

Pure Battery Dive.

- Stable Lithium Iron Phosphate (LiFePo₄) battery, 60 kWh electricity volume, may support the loaders to work 4~6 hours continuously.
- May achieve 1 hour fast charging, 20 minutes fast battery replacing.

Safe, and operator-friendly design

- Battery system has 3 layer protection, smoke alarm, and extinguishing system, to make the vehicle safer and more reliable.
- Forced water-cooling system, to keep the battery stable.
- Operator-friendly design instrument panel, and control system, easier for the operation.

Economic, High Efficiency

- Brake energy recycling technology, highly deduces the energy waste, and improves the continuous working period.
- Maximumly match the diesel drive loaders components, easier for maintenance.

1. Technical Specifications

Machine length	5000±150 mm
Machine width	1130 mm
Machine height	1900±50 mm
Tread	876 mm
Wheel base	1725 mm
Ground clearance	180 mm
Steering radius (Inner/External)	3590 mm/ 1900 mm
Bucket volume (SAE)	0.6 m ³
Maximum lifting height	2670 mm
Maximum unload height	1280 mm
Maximum unload angle	37.4 °
Departure angle	15 °
Time (Load+lift+unload)	12 s

2. Machine weight

Empty weight	5500 kg
Rated loading capacity	1200 kg
Maximum weight full load	6700 kg

3. Travelling

Forward/Reverse	0~12 km/h
Maximum speed	12 km/h
Full load at 14% slope	10 km/h
Full load at 25% slope	6 km/h

4. Loader parameter

Traction force (Continuous /Peak)	30 kN 35 kN
Shovel force	42 kN
Grade ability (Continuous)	25%

5. Drive motor

Type	Permanent magnet synchronous motor
Rated/Peak power output	40 kW/80 kW
Rated/Peak torque output	100 Nm/240Nm

IP Protection class	IP67
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6. Pump motor

Travelling method	Permanent magnet synchronous motor
Rated/Peak power output	10 kW/20 kW
Rated/Peak torque output	40Nm/80 Nm
Protection class	IP67

7. Battery

Battery power installed	60 kWh
Voltage	307 VDC
IP Protection class	IP67
Power pack weight	800 kg

8. Tires

Tire size	10.00-20
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9. Bucket

Volume (SAE)	0.6~0.8 m ³
Blade	#500 wear resistance

Appendix 2

WJD-0.6B battery drive loader packing list

- 1) WJD-0.6B Nude packing× 1 set
- 2) Tools with delivery ×1 set
- 3) Operator's manual ×1 set
- 4) Parts catalogue ×1 set

Appendix 3

Options:

- 1) Quick charger 60KW:
- 2) Travel aid system
- 3) Quick release system

Dimensions:



