

8X8 Amphibious Range Extended EV



Power System

Equipped with an 85HP gasoline extended-range hybrid power system, combined with a high-rate ternary lithium battery and a high-performance motor, enabling fast response and strong power. It supports the "On-the-Go Charging" mode and can supply power to external devices (5kW) while driving.

Modular Load Platform

Features a "passenger compartment + cargo compartment" design, with a load capacity of 1 ton and a cargo box volume of 2.5 cubic meters, combining large space and strong carrying capacity.

Application Scenarios

- Personnel Transportation & Safety Assurance
- Material & Equipment Transportation
- Emergency Rescue & Safe Operation
- Geological Exploration & Preliminary Development



TECHNICAL SPECIFICATIONS

Model	JJ1500UH
Length × Width × Height	3600 × 1800 × 1950 mm
Vehicle Wheelbase	762 mm × 3
Minimum Ground Clearance	250 mm
Curb Weight of the Vehicle	1650 kg
Maximum Load Capacity	1000 kg (on land) / 800 kg (on water)
Vehicle Fuel Tank Capacity	40 L
Maximum Speed	60 km/h
Power Parameters	
Engine Type	1499CC In-line Four-cylinder, Four-stroke, Water-cooled, Double Overhead Camshaft, IVVT, Low-pressure EGR
Bore × Stroke	91 mm × 74 mm × 2
Maximum Horsepower / Corresponding RPM	87 HP / 5000 rpm
Maximum Torque / Corresponding RPM	125 N·m / 3600 ~ 4400 rpm
Fuel Supply System	Electronic Fuel Injection
Ignition Control System	EFI
Transmission Type	Electronic Knob Shift with P + R + C + D + W (Water Mode)
Chassis Parameters	
Drive Type	8×8 Motor Drive
Braking System	Hydraulic Disc Caliper Braking (with Pedal Brake Operation)
Rim Specification	14-inch Steel Rim
Tire Specification	AT27×11-14 All-Terrain Tire

Mobile Power & Mission Platform

- 220V AC Output
Standard industrial / civil power supply directly available on site.
- 5 kW Continuous Power While Driving
Mission systems remain fully operational during movement.
- 20 kW Continuous / 30 kW Peak Power When Stationary
Capable of supporting command, communication, medical and rescue equipment without external infrastructure.
- Energy-Independent Operation
Integrated range-extender architecture enables long-duration deployment in infrastructure-denied environments.