



SPECIALIST MOBILITY VEHICLE **SMV 1200**

The Ultimate
All Terrain Off Roader



Specialist Mobility Vehicle

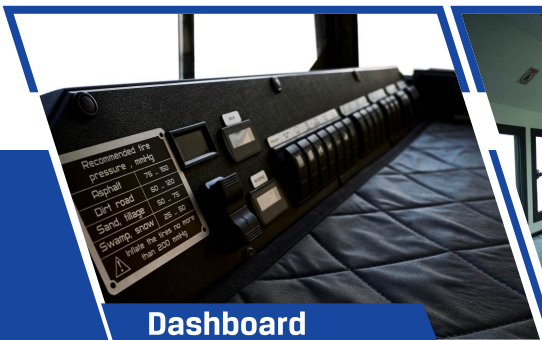
The JSW SHERP SMV 1200 is an all-terrain amphibious vehicle characterized by its exceptional mobility. It is engineered to function effectively in challenging environments across various types of terrain. This vehicle is capable of surmounting significant obstacles and can also swim in water.



WE REACH WHERE FEW DARE

- ✓ Extreme Terrain
- ✓ Extreme Weather
- ✓ Extreme Mobility

- ✓ Snow Mountain
- ✓ Glacier
- ✓ Swamp & Marsh
- ✓ Deep Mud
- ✓ Water Bodies
- ✓ Desert
- ✓ Rocky Terrain
- ✓ Dense Forest



Dashboard



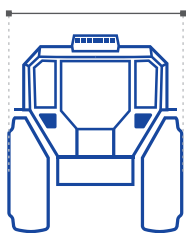
Rear Cabin with Seats



Cargo Variant

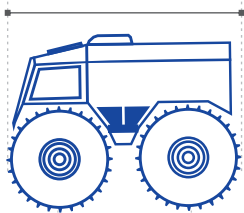
Overall Dimensions

Width:
2600mm (102.36 in)



Height with AC:
3082mm
(119.2 in)

Length:
4002mm (157.6 in)



Height
without AC:
2825.5mm
(112.3 in)

Wheel base:
2118mm (83.4 in)

Max. Speed



GROUND

40 Km/H

Dense forest, fallen trees, shaky ground, gravel, sand, peat bog, moor, marsh, dunes, rocks, swamps, boulders, scree, snow, ice



WATER

5 Km/H

Ponds, lakes, rivers, sandbanks, shelves, shores, coasts

Fuel Autonomy



DIESEL

95-327 L from 5 lph

Main fuel tank of 95 litres and 4 supplementary fuel canisters of 58 litres each, provide vehicle fuel autonomy of more than 65 hours including non-stop running for 19 hours solely on the fuel from the main tank.

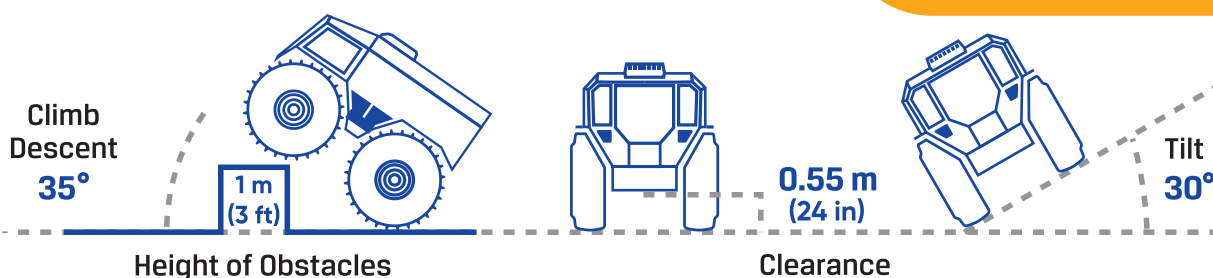
Service Temperature



+45° C



-40° C



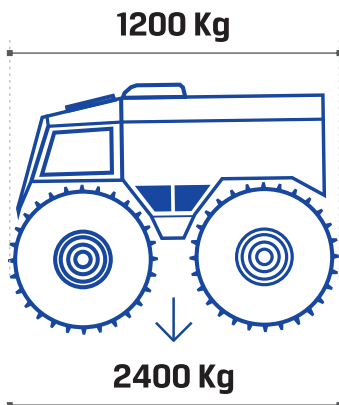
Base Model Includes:

- ✿ Autonomus Heater
- ✿ Back up Battery
- ✿ LED High & Low Beam
- ✿ Under Floor Storage Boxes
- ✿ Rear Compartment ROPS
- ✿ Rear View Camera
- ✿ Towing Hitch Integrated in Front & Rear Bumpers
- ✿ Integrated Front & Rear Door Ladder
- ✿ Foldable Rear Seats 7 with 3 Point Seat Belts
- ✿ Side windows 2
- ✿ Side Mirrors 2
- ✿ Air Condition
- ✿ Preparation for Winch set
- ✿ Additional Fuel Tank in each rim
- ✿ Front Cabin
- ✿ Parking Brake
- ✿ 3 Point Seat Belt for Driver & Passenger
- ✿ Glove Box & Cup Holders
- ✿ Interior Fabric Cover

Additional Options

- ✿ Rear Seats 2 with Seat Belts
- ✿ Rear Seats 4 with Seat Belts
- ✿ Winch Set Capacity 10000Lbs
- ✿ Front LED roof light bar
- ✿ Locker (2)
- ✿ Overhead lockers (4pcs.)
- ✿ Set of cargo storage nets
- ✿ Side windows 4
- ✿ Universal Trailer
- ✿ Interior Cover Eco Leather
- ✿ Interior Cover Suede Leather
- ✿ Spare wheel kit
(Tire 1800mm, disc, badlock, the bolts) (1 each in 1 set)

Hard Top



Driver + up to 8 passengers

Industrial Cases

SMV 1200 is designed to operate in most challenging environments and is ideal for mobility in various industries such as:

Ideal for industries such as:

- ☑ Search & Rescue
- ☑ Oil & Gas
- ☑ Mining
- ☑ Recreation
- ☑ Renewable Energy
- ☑ Humanitarian Aid
- ☑ Power Transmission

These vehicles offer unmatched mobility across land and water, ensuring reliable performance where conventional vehicles can't reach.



Search & Rescue

SMV 1200 is a lifeline in critical situations where conventional rescue vehicles fail.

- ☑ Rapid response in natural disasters such as floods, earthquakes, hurricanes, and wildfires.
- ☑ Amphibious capabilities allow seamless travel across waterlogged regions, ice, and deep snow.
- ☑ Equipped for medical evacuations, delivering aid workers and supplies to survivors in remote crisis zones.
- ☑ Ideal for missions in off - road environments.



Oil & Gas

SMV 1200 provides unmatched mobility, enabling:

- ☑ Pipeline inspection & maintenance in off-road conditions.
- ☑ Emergency response & personnel transport across oil drilling sites.
- ☑ Logistics support for transporting tools, materials, and fuel.
- ☑ Remote access to onshore and offshore platforms.



Mining Industry

In the mining sector, access to remote sites is critical for exploration, surveying, and maintenance. SMV 1200 is built to navigate:

- ☑ Rocky, muddy, and unstable terrains for seamless personnel and equipment transport.
- ☑ Flooded and waterlogged mining sites with its amphibious capabilities.
- ☑ Deep snow and icy conditions to ensure year-round operations.
- ☑ Underground and open-pit mining areas, improving logistics and safety.



Recreation & Outdoor

SMV 1200 is the key to unlocking unexplored terrains with confidence and safety.

- ☑ Perfect for off-road adventures
- ☑ Seamlessly crosses rivers, swamps, and icy lakes, providing limitless exploration.
- ☑ Ensures safety in remote expeditions
- ☑ Ideal for nature exploration



Energy Sector

SMV 1200 is a game-changer for the energy industry, ensuring seamless operations across challenging landscapes.

- ☑ Navigates harsh environments such as swamps, tundras, deserts, and flood-prone areas.
- ☑ Ensures timely equipment transport for maintenance crews in extreme locations.
- ☑ Reduces operational downtime caused by unpredictable weather conditions.



Humanitarian & Disaster

For emergency responders and humanitarian organizations, SMV 1200 offers unmatched performance in disaster-stricken areas. Its amphibious and all-terrain capabilities make it indispensable for:

- ☑ Flood rescue & relief operations, reaching stranded victims.
- ☑ Transporting medical supplies, food, and aid to affected regions.
- ☑ Evacuating survivors from disaster zones, including earthquakes and hurricanes.
- ☑ Search & rescue missions in extreme environments conditions.



Powerline Sector

Maintaining powerlines infrastructure in hard-to-reach locations is a major challenge. SMV 1200 is the perfect solution for:

- ☑ Powerline inspections & repairs in forests, mountains, and wetlands.
- ☑ Delivery of heavy tools & spare parts to remote energy sites.
- ☑ Ensuring technician safety in difficult weather conditions.
- ☑ Transporting crews & emergency response teams after storms or disasters.

SPECIFICATIONS & TECHNICAL CHARACTERISTICS

DESCRIPTION	DETAILS
Body type	Hardtop
Body material	Steel (frame and bottom, hot dipped galvanized) and aluminum (cabin)
Steering	Skid steering
Tyre size	1800x600x25 (72x23x25in)
Types of tyres	Tubeless, extra-low pressure
Suspension	Pneumatic circulating-patented
Maximum speed (at the top-gear)	Up to 40 km/h (25 mph)
Minimum speed (at the low-gear)	2 km/h (1.2 mph)
Engine model	Hyundai Infracore (Formerly Doosan)
Fuel type	Diesel
Emission control	Tier-4-final
Engine doc (Diesel Oxidation Catalyst)	Maintenance free
Fuel consumption	5 - 8 lph
Engine displacement	1.8 L (61 cubic inches)

DESCRIPTION	DETAILS
Cylinder count	3
Max engine power	41 kW (55 hp)
Max engine torque	190 nm
Generator performance	140 A
Fuel tank volume	95 L
Capacity of additional fuel canisters	4 x 58 L
Gearbox	Mechanical, 6-speed
Towing capacity	2350 kg
Cabin internal volume	2 cu m
Rear space internal volume (Hard Top)	5.8 cu m
Overall internal volume (Hard Top)	7.8 cu m
Maintenance interval	250 hours
Parking brake system	Mechanical handbrake
Ground clearance	550 mm

OTHER VARIANTS



FOREST FIRE FIGHTING



AMBULANCE/SEARCH & RESCUE



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