R8 INTEGRATOR





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The Argo R8 Integrator UGV platform is designed for the most demanding off-road, autonomous applications. Ready out of the box for your autonomy kit to interface with, the R8 features 8x8 skid steer traction, electric drive train, amphibious capabilities, and class leading payload capacity; optional Lithium Ion battery capacity up to 25kWh for extended range missions. The R8 comes standard with integrated helicopter lift points to make transport into the toughest environments seamless.

Key Features

- Zero Turn Capable
- Electric drive train
- Amphibious
- Lithium Ion battery (Optional)
- Flat top deck



All Electric



Ease of Maintenance



Payload Capacity 2,100 lb (929 kg)



All Terrain Capability

TECHNICAL SPECIFICATIONS

R8 INTEGRATOR		
VEHICLE WEIGHT 1,950 lb (885 kg) OVERLAND RANGE Up to 45 miles (72 km) OPERATIONAL TIME Up to 6-7 hours OPTIONAL 35 kWh BATTERY WEIGHT 525 lb (238.1 kg) GVWR (LAND) 4,050 lb (1,814 kg) GVWR (WATER) 2,500 lb (1,134 kg) WATER FORDING DEPTH 2FT (0.6 m) OPERATING TEMPERATURE -4 to 122 F (-20 TO 50 C) STORAGE TEMPERATURE -4 to 140 F (-20 TO 60 C) HELICOPTER LIFT POINTS MIL-STD-913 TESTED MAX SPEED (HIGH) 15.5 mph (25 km/h) MAX SPEED (LOW) 12.1 mph (19.5 km/h) TRACTION MOTOR POWER 32HP (24.04 kW) TRACTION MOTOR TORQUE 105.83 lb ft (143.5 Nm) GROUND CLEARANCE (PEAK) 10" (25.4 cm) SIDE SLOPE 30% (17 DEGREES) FORWARD SLOPE 60% (30 DEGREES) TRACTION 8x8 SKID STEER ARGO TIRES 25" (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING		
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OPERATIONAL TIME OPTIONAL 35 kWh BATTERY WEIGHT GVWR (LAND) GVWR (LAND) GVWR (WATER) WATER FORDING DEPTH OPERATING TEMPERATURE HELICOPTER LIFT POINTS MAX SPEED (HIGH) TRACTION MOTOR POWER GROUND CLEARANCE (PEAK) FORWARD SLOPE FORWARD SLOPE TRACTION ARGO TIRES HUBS TRACTION MOTOR CONTROLLER ATTERIES BATTERIES BATTERIES CAN MESSAGING BATTERY LOS OB ID (1,814 kg) 2,500 lb (1,814 kg) 2,500 lb (1,134 kg) 2,500 lb (1,34 kg) 32 to 122 F (0 to 50 C)	VEHICLE WEIGHT	, 57
OPTIONAL 35 kWh BATTERY WEIGHT 525 lb (238.1 kg) GVWR (LAND) 4,050 lb (1,814 kg) GVWR (WATER) 2,500 lb (1,134 kg) WATER FORDING DEPTH 2FT (0.6 m) OPERATING TEMPERATURE -4 to 122 F (-20 TO 50 C) STORAGE TEMPERATURE -4 to 140 F (-20 TO 60 C) HELICOPTER LIFT POINTS MIL-STD-913 TESTED MAX SPEED (HIGH) 15.5 mph (25 km/h) MAX SPEED (LOW) 12.1 mph (19.5 km/h) TRACTION MOTOR POWER 32HP (24.04 kW) TRACTION MOTOR TORQUE 105.83 lb ft (143.5 Nm) GROUND CLEARANCE (PEAK) 10" (25.4 cm) SIDE SLOPE 30% (17 DEGREES) FORWARD SLOPE 60% (30 DEGREES) TRACTION 8x8 SKID STEER ARGO TIRES 25" (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	OVERLAND RANGE	
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GVWR (WATER) 2,500 lb [1,134 kg] WATER FORDING DEPTH 2FT (0.6 m) OPERATING TEMPERATURE -4 to 122 F (-20 TO 50 C) STORAGE TEMPERATURE -4 to 140 F (-20 TO 60 C) HELICOPTER LIFT POINTS MIL-STD-913 TESTED MAX SPEED (HIGH) 15.5 mph (25 km/h) MAX SPEED (LOW) 12.1 mph (19.5 km/h) TRACTION MOTOR POWER 32HP (24.04 kW) TRACTION MOTOR TORQUE 105.83 lb ft (143.5 Nm) GROUND CLEARANCE (PEAK) 10" (25.4 cm) SIDE SLOPE 30% (17 DEGREES) FORWARD SLOPE 60% (30 DEGREES) TRACTION 8x8 SKID STEER ARGO TIRES 25" (63.5 cm) HUBS LOCKING/ UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERIES CAN MESSAGING CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	OPTIONAL 35 kWh BATTERY WEIGHT	,
WATER FORDING DEPTH OPERATING TEMPERATURE -4 to 122 F (-20 TO 50 C) STORAGE TEMPERATURE -4 to 140 F (-20 TO 60 C) HELICOPTER LIFT POINTS MIL-STD-913 TESTED MAX SPEED (HIGH) 15.5 mph (25 km/h) MAX SPEED (LOW) 12.1 mph (19.5 km/h) TRACTION MOTOR POWER 32HP (24.04 kW) TRACTION MOTOR TORQUE 105.83 lb ft (143.5 Nm) GROUND CLEARANCE (PEAK) 10" (25.4 cm) SIDE SLOPE 30% (17 DEGREES) FORWARD SLOPE 60% (30 DEGREES) TRACTION 8x8 SKID STEER ARGO TIRES 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	GVWR (LAND)	4,050 lb (1,814 kg)
OPERATING TEMPERATURE STORAGE TEMPERATURE -4 to 122 F (-20 TO 50 C) HELICOPTER LIFT POINTS MIL-STD-913 TESTED MAX SPEED (HIGH) 15.5 mph (25 km/h) MAX SPEED (LOW) 12.1 mph (19.5 km/h) TRACTION MOTOR POWER 32HP (24.04 kW) TRACTION MOTOR TORQUE 105.83 lb ft (143.5 Nm) GROUND CLEARANCE (PEAK) 10" (25.4 cm) SIDE SLOPE 30% (17 DEGREES) FORWARD SLOPE 60% (30 DEGREES) TRACTION 8x8 SKID STEER ARGO TIRES 25" (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	GVWR (WATER)	2,500 lb (1,134 kg)
STORAGE TEMPERATURE HELICOPTER LIFT POINTS MIL-STD-913 TESTED MAX SPEED (HIGH) 15.5 mph (25 km/h) MAX SPEED (LOW) 12.1 mph (19.5 km/h) TRACTION MOTOR POWER 32HP (24.04 kW) TRACTION MOTOR TORQUE 105.83 lb ft (143.5 Nm) GROUND CLEARANCE (PEAK) 10" (25.4 cm) SIDE SLOPE 30% (17 DEGREES) FORWARD SLOPE 60% (30 DEGREES) TRACTION 8x8 SKID STEER ARGO TIRES 25" (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	WATER FORDING DEPTH	2FT (0.6 m)
HELICOPTER LIFT POINTS MAX SPEED (HIGH) MAX SPEED (LOW) TRACTION MOTOR POWER TRACTION MOTOR TORQUE GROUND CLEARANCE (PEAK) SIDE SLOPE FORWARD SLOPE TRACTION ARGO TIRES TRACTION TRACTION MOTOR CONTROLLER STEER MOTOR CONTROLLER BATTERIES CAN MESSAGING BATTERY VOLTAGE MIL-STD-913 TESTED MAX SPEED (LOW) 12.1 mph (19.5 km/h) 10.5 km/h) 10.6 km/h 10.	OPERATING TEMPERATURE	-4 to122 F (-20 TO 50 C)
MAX SPEED (HIGH) MAX SPEED (LOW) TRACTION MOTOR POWER 32HP (24.04 kW) TRACTION MOTOR TORQUE 105.83 lb ft (143.5 Nm) GROUND CLEARANCE (PEAK) SIDE SLOPE FORWARD SLOPE TRACTION 8x8 SKID STEER ARGO TIRES 485 (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	STORAGE TEMPERATURE	-4 to140 F (-20 TO 60 C)
MAX SPEED (LOW) TRACTION MOTOR POWER TRACTION MOTOR TORQUE GROUND CLEARANCE (PEAK) SIDE SLOPE FORWARD SLOPE TRACTION ARGO TIRES TRACTION MOTOR CONTROLLER STEER MOTOR CONTROLLER BATTERIES CAN MESSAGING BATTERY VOLTAGE CHARGING TEMPERATURE (AMBIENT) 12.1 mph (19.5 km/h) 10.5 km/h) 10.6 (3.5 Nm) 8x8 SKID STEERS 25" (63.5 cm) LOCKING/UNLOCKING CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	HELICOPTER LIFT POINTS	MIL-STD-913 TESTED
TRACTION MOTOR POWER TRACTION MOTOR TORQUE GROUND CLEARANCE (PEAK) SIDE SLOPE FORWARD SLOPE TRACTION ARGO TIRES TRACTION TRACTION MOTOR CONTROLLER STEER MOTOR CONTROLLER BATTERIES CAN MESSAGING BATTERY VOLTAGE CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	MAX SPEED (HIGH)	15.5 mph (25 km/h)
TRACTION MOTOR TORQUE GROUND CLEARANCE (PEAK) SIDE SLOPE 30% [17 DEGREES] FORWARD SLOPE 60% (30 DEGREES) TRACTION 8x8 SKID STEER ARGO TIRES 25" [63.5 cm] HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER STEER MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F [0 to 50 C]	MAX SPEED (LOW)	12.1 mph (19.5 km/h)
GROUND CLEARANCE (PEAK) SIDE SLOPE FORWARD SLOPE FORWARD SLOPE FORWARD SLOPE GO% (30 DEGREES) TRACTION 8x8 SKID STEER ARGO TIRES CS" (G3.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	TRACTION MOTOR POWER	32HP (24.04 kW)
SIDE SLOPE FORWARD SLOPE FORWARD SLOPE TRACTION 8x8 SKID STEER ARGO TIRES 25" (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	TRACTION MOTOR TORQUE	105.83 lb ft (143.5 Nm)
FORWARD SLOPE TRACTION 8x8 SKID STEER ARGO TIRES 25" (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	GROUND CLEARANCE (PEAK)	10" (25.4 cm)
TRACTION ARGO TIRES 25" (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	SIDE SLOPE	30% (17 DEGREES)
ARGO TIRES 25" (63.5 cm) HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	FORWARD SLOPE	60% (30 DEGREES)
HUBS LOCKING/UNLOCKING TRACTION MOTOR CONTROLLER CAN MESSAGING STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	TRACTION	8x8 SKID STEER
TRACTION MOTOR CONTROLLER STEER MOTOR CONTROLLER BATTERIES CAN MESSAGING CAN MESSAGING BATTERY VOLTAGE CHARGING TEMPERATURE (AMBIENT) CAN MESSAGING 48V NOMINAL 32 to 122 F (0 to 50 C)	ARGO TIRES	25" (63.5 cm)
STEER MOTOR CONTROLLER CAN MESSAGING BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	HUBS	LOCKING/UNLOCKING
BATTERIES CAN MESSAGING BATTERY VOLTAGE 48V NOMINAL CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	TRACTION MOTOR CONTROLLER	CAN MESSAGING
BATTERY VOLTAGE CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	STEER MOTOR CONTROLLER	CAN MESSAGING
CHARGING TEMPERATURE (AMBIENT) 32 to 122 F (0 to 50 C)	BATTERIES	CAN MESSAGING
	BATTERY VOLTAGE	48V NOMINAL
4005000511	CHARGING TEMPERATURE (AMBIENT)	32 to 122 F (0 to 50 C)
SIDE TIE DOWN RAILS ACCESSORY	SIDE TIE DOWN RAILS	ACCESSORY
4,500 Ib WARN WINCH ACCESSORY	4,500 lb WARN WINCH	ACCESSORY
ADJUSTABLE FRONT STEP ACCESSORY	ADJUSTABLE FRONT STEP	ACCESSORY
ADJUSTABLE REAR STEP ACCESSORY	ADJUSTABLE REAR STEP	ACCESSORY
HUMVEE TOW POINT ACCESSORY	HUMVEE TOW POINT	ACCESSORY
OVER-WHEEL TRACKS - 18" (46 cm) ACCESSORY	OVER-WHEEL TRACKS - 18" (46 cm)	ACCESSORY
WORK LIGHTS ACCESSORY	WORK LIGHTS	ACCESSORY
ELECTRONICS MOUNTING TRAYS ACCESSORY	ELECTRONICS MOUNTING TRAYS	ACCESSORY



^{*}Range estimates based on manufacturer data on typical customer driving usage and conditions. Actual range varies based on conditions such as external environment, weather, speed, opertaional time, cargo loads. rates of acceleration, vehicle maintenance, and vehicle usage. ©ARGO 2023