



KORU MUSTER R35

Off-road response trailer · SAR, emergency management & disaster response · Base price \$40,375



A self-sufficient forward base for a small crew, built to go where command trailers can't.

DIMENSIONS & WEIGHTS

Overall length	13' 5" (4,100 mm)
Overall width	6' 5" (1,960 mm)
Overall height	6' 4" (1,940 mm), tent closed
Dry weight	2,315 lb (1,050 kg)
GVWR	3,307 lb (1,500 kg)
Payload	992 lb (450 kg)
Axle	Single axle, 35×12.5 R17 all-terrain tires
Towing	Within the rating of most half-ton pickups (check your vehicle)

POWER

Power management	REDARC Rogue TVMS with RedVision touchscreen and app
Battery (standard)	REDARC Alpha 150Ah 12V lithium, self-heating: 1.9 kWh (≈1.7 kWh usable)
Battery (extended)	420Ah: 5.4 kWh (≈4.8 kWh usable)
Charging	REDARC Manager 30: shore power, tow-vehicle DC and solar inputs
Inverter	3,000 W, 120 V AC
Solar	Portable solar blankets and/or roof-mounted rigid panels (see add-ons)

EST. RUNTIME, BATTERY ONLY

Load	150Ah	420Ah
Starlink Mini only (~30 W)	~57 hr	~160 hr
Starlink Mini, 2 laptops, radio chargers, LED lighting (~170 W)	~10 hr	~28 hr
Above plus 55 L fridge running (~220 W avg)	~8 hr	~22 hr

Weights and dimensions per manufacturer's certificate. Runtime estimates assume 90% usable battery capacity, no solar input, and the loads listed; actual results vary. *Water filtration is for taste, odor and clarity. It is not certified to NSF/ANSI standards and is not a purifier; treat or disinfect water per local health guidance before drinking. Specifications subject to change; confirm on your formal quote.

CREW SUSTAINMENT

Fresh water	80 L (21 gal) tank, on-demand propane water heater
Filtration	3-stage sediment / carbon / ceramic for taste, odor and clarity*
Cold storage	Dometic 55 L and 25 L fridge/freezers
Kitchen	Dometic dual-burner stove and sink
Heat	Digitally controlled diesel air heater
Shelter	270° awning with LED lighting and walls; rooftop tent for 1–2 crew rest
Propane	Up to 40 lb tank

MISSION ADD-ONS (QUOTED SEPARATELY)

- **Starlink comms package:** Roof or mast mount, weather-sealed cable routing, dedicated DC power and switch. Works with Starlink Mini or Standard. Service plan is purchased by the agency.
- **LoRa mesh add-on:** Long-range LoRa mesh node mounted on the trailer with handheld nodes for the team: off-grid text messaging and position sharing with no cell or satellite service.
- **Roof-mounted rigid solar:** Rigid panels on the roof rack charge the battery while parked or on the move. Sized to your duty cycle.
- **Portable solar blankets:** Koru ETFE solar blankets with SunPower cells, 220 W to 595 W. Deploy away from the trailer in the sun while it sits in the shade.
- **Extended battery:** Upgrade from 150Ah to 420Ah (about 5.4 kWh) for multi-day operation without a generator.

MISSIONS

- SAR forward base
- Comms & charging hub
- Crew rehab & sustainment
- Disaster recon & advance team