



# KORU MUSTER R35

Off-road response trailer · SAR, emergency management & disaster response · Base price \$44,900



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