

Premium stand-alone trailer

ART's Premium custom stand-alone power trailer is proudly designed and manufactured in Australia.

This unique power supply RSD (Remote Sensor Device) enabler is an autonomous power supply that can be used for lidars or any other device that needs an off-grid power supply.

Designed for rough off-road terrain, its robust construction includes a dual axle design, heavy duty trailer jack legs on all four corners, and mechanical trailer breaks.

The trailer has an industrial solar and battery power system with a fixed solar panel array (no deployment necessary) and remote monitoring with 4G and satellite options via a Victron inverter, comes standard with every trailer.

Storage is also important when in a remote location, which is why every Premium trailer is uniquely designed with a fixed lockable Pod. The Pod holds the essential included items that the trailer needs and is accessible via sealed doors on three sides.

To ensure that your lidar continues to function at its optimal level, ART have included a 70 litre water tank and water level indicator with every premium trailer, giving you the peace of mind that your lidar will have water for windscreen cleaning, and with configurable alerts through the Victron inverter, you will know when it is time to fill up your tank.

ART prides themselves on the ongoing design development of the stand-alone power trailer, and one recent innovation is the addition of a custom WindCube® v2.1 deployment box.



The robust A-frame mounted deployment box means that your WindCube® v2.1 will travel to site safely and securely, removing the need for onsite installation or lifting.

FEATURES

- ✓ Australian designed and manufactured
- ✓ Custom built WindCube® v2.1 deployment box
- ✓ 70 L water tank with level monitoring
- ✓ Victron inverter for remote monitoring
- ✓ Lockable and watertight storage
- ✓ Fixed solar array
- ✓ Off-road capable
- ✓ Earth stake lightning strike protection
- ✓ Lidar sunshade



Technical specifications

| FEATURE | DESCRIPTION |
|---|--|
| Trailer dimensions (L x W x H) | 4320 x 1800 x 1900 mm |
| Trailer dimensions with sodar (L x W x H) | 4320 x 2300 x 2700 mm |
| System voltage | 24 V or 12 V DC PSU |
| Battery capacity | 1230 Ah gel batteries |
| Battery autonomy | 5–7 days |
| Battery design life | 16 years at 25°C |
| Installed power array | 2 x 570 W bi-facial solar modules |
| PV array angle | 15 degrees |
| Solar regulator | Victron MPPT 100/50 with cloud monitoring |
| Remote monitoring | 4G – Satellite optional (BGAN or Starlink) |
| Weight | Tare circa 1950 kg (ATM 3250 kg) |
| Water capacity | 70 L water tank with level monitoring and alerts |
| POD material | Insulated sandwich panel (Panelex) |
| Trailer brakes | Mechanical |
| Trailer jack legs | Heavy duty |
| Fitted jerry cans | Three as standard |
| Other features included | Spare tyre, fire extinguisher, star picket driver, earth stake |

About us

ART designs, manufactures, installs, and maintains turnkey infrastructure solutions for wind resource assessments, as well as for the broader renewables, resources and communications industries.

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