DATASHEET

Helipod

ART's Helipod is a remote power solution designed to deliver reliable off-grid power for the WindCube® v2.1 lidar where helicopter deployment is required.

A fit for purpose solution, the Helipod includes lifting points and forklift slots, allowing for rapid site deployment via helicopter or tilt tray/hiab truck.

Built for independent operation, the Helipod features a folding solar array, battery storage system, large water tank and control equipment for easy deployment.

With remote monitoring capabilities, it provides real-time tracking and alerts for proactive maintenance.

Each Helipod undergoes rigorous quality testing and commissioning before deployment to guarantee the highest standards of quality and safety.

For enhanced security, optional PTZ cameras offer continuous surveillance, with video and image access available daily or on demand.

FEATURES

- Jack up legs on all four corners of the pod for stability and leveling.
- Lifting hooks and forklift slots for heli-lift and positioning.
- Lidar is deployed within the pod for added security and reduced heat load.
- Lockable and fully sealed access doors open on two sides for easy access.

Technical specifications

FEATURE	DESCRIPTION
System voltage	24 V DC
Battery capacity	820 Ah Gel batteries
Battery autonomy	3-4 days
Battery design life	16 years at 25°C
Installed power array	3 x 475 W bifacial solar modules
PV array angle	6 degrees
Solar regulator	Victron MPPT 100/50 with cloud monitoring
Remote monitoring	4G - Satellite optional (BGAN or Starlink)
Weight	1016 kg dry excluding batteries (234 kg of batteries can be removed and transported separately)
Water tank capacity	120 L water tank with tank level monitoring alerts
POD material	Insulated sandwich panel (Panelex)
Transport	Helicopter lift, forklift, tilt tray/hiab truck
Trailer jack legs	Heavy duty
Other features included	Fire extinguisher, 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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