NOMADD
نوماد
حلول الطاقه الشمسيه
Desert Solar Solutions

Information Sheet

The **NO** Water **M**echanical
Automated **D**usting **D**evice

Model: 1P Edge Runner

The NOMADD 1P Edge Runner is fully tracker compatible, with all the proven core elements of NOMADD's tested classic design.

Now mounted on an innovative, lightweight, flexible, 8-wheel-drive chassis, the system offers unparalleled misalignment advantages and maximum flexibility.

With all the superb command and control features you have come to expect, NOMADD is the reliable, long term O&M partner you can trust.

Cost Effective
Short Payback Period,
Low Maintenance

Tough and Reliable
Simple, Rugged Design
High Quality Materials

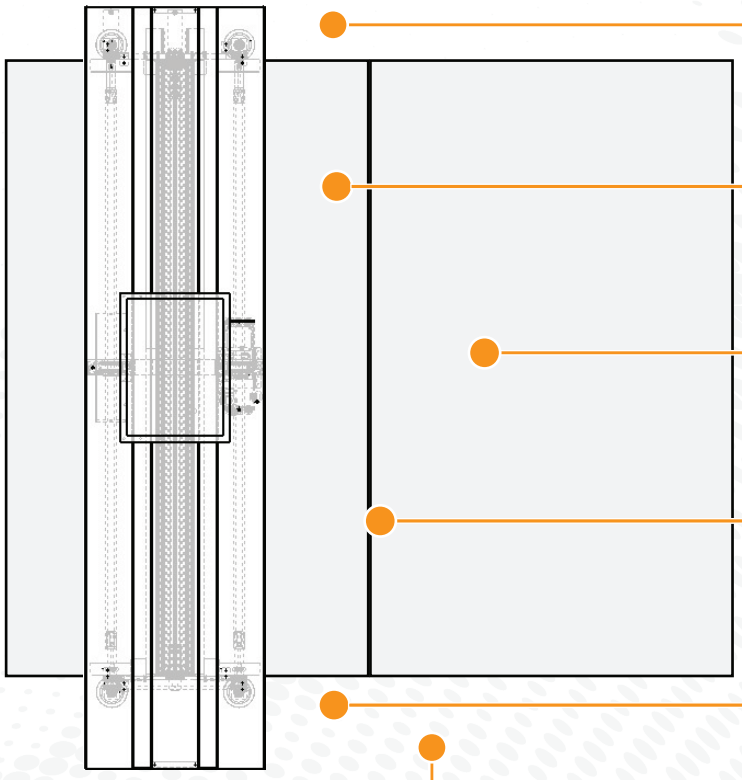
Smart Control
Fully Automated
Cloud & SCADA

Operating Capabilities:

Range: Up to 2 km per day standard
Array table width: 2000 - 3000 mm
Obstruction height limit: 10 mm
Horizontal gaps between panels: 30 mm
Cleaning rate: 0.2 m/s

On Tracker with Patented Flexi-Bridge:

Tracker cleaning angle: -30° to +30°
Vertical climbing angle: 5°
Tracker angle misalignment : -10° to + 10°
Table axis misalignment: 55 v x 55 h mm



Self Powered
On board battery, panel and charge controller

High Cleaning Effectiveness
Tested above 99% in dust storm conditions

No Water
No water used in the cleaning process

Zero Panel Damage
NOMADD's only contact on glass surface is the brush

Designed & Tested
In the extreme conditions of Saudi Arabia

Remotely Controlled - Monitored
Auto alerts and data collection

Specifications:

Dimensions:
Length: 2300 - 3300 mm
Width: 600 mm
Height: 600 mm
Weight: 45 kg

Power Characteristics:
Battery: 10 Ah 12/24 V LiFePO4
Power supply: 20 W Solar Panel
IP65 enclosure and sealing
Operating temperature: - 20 C to 60 C

Communications:
Robot to Base Station: Long Range (LoRa) Wireless
Base Station to Operator: Cloud or SCADA compatible

Control Features:
Fully programable: Timer, weather data and logic-based cleaning cycle triggering
Automated Recovery: Sophisticated issue detection, alerting and response
Monitoring: Real time low latency two way data flow, proprietary data collection platform