ARCTECH

SkyLine

Independent row 1P tracker
Stable,Simple,Best cost structure

FEATURES

Specially designed D-tube
Easy to install

Debugging by
pressing a single button

LoRa-wireless communication
Long range, low power

Strong adaptability of terrain
up to 20% N-S slope

String-powered system
with back-up Li-ion battery
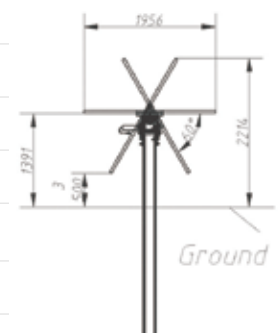
Strong wind-resistance capability

Contents subject to change without prior notice.

SKYLINE TRACKER SPECIFICATIONS

Tracking Type	Independent horizontal single-axis tracker
Tracking Range	±60°
Driving System	Slew drive,28VDC motor
Tracker N-S Length Limitation	≤105m
System Voltage	1,000 V or 1,500 V
Ground Coverage Ratio	Typical ≥25%
Foundation Options	All foundation types
Terrain Adaption	Up to 20% N-S slope
Structure Material	Hot dipped galvanized/Pre-galvanized steel/Mg-Al-Zn
Power Consumption	Typical 0.02kWh/day
Daily Energy Consumption	Powered by PV strings, back-up Li-ion battery
Standard Design Wind Speed	105mph (47m/s) per ASCE7-10,higher wind load available
Module Supported	All commercially available modules
Operation Temperature	-20°C to 60°C (-30°C to 60°C Optional)

ELECTRONIC CONTROLLER SPECIFICATIONS

Control System	1 controller per tracker
Control Algorithm	Astronomical algorithms + Tilt sensor close loop+AI algorithms
Tracking Accuracy	≤ 2°
String-Powered	Yes
Backtracking	Yes
Communication Options	LoRa wireless /RS 485 cable
Night Position	Yes
Flood Mode	Optional
Snow Mode	Optional
Wind Protection Mode	Yes

SkyLine Side View