

PVT 12.8DX

The PVT 12.8DX is the latest product offering from one of the most seasoned renewable energy design teams in the world. Our technology is capable of capturing 50% more power than fixed-tilt systems and 25% more than single-axis. A combination of world-class engineering, easy installation and outstanding reliability are just a few of the reasons why we are the most recognized dual-axis tracker company based in the United States.

NEW 12.8DX FEATURES INCLUDE:

- 920 SQ FT ARRAY SIZE
- LOWEST PRICE PER kWhr
- LONGER MTBF
- SHORTER MTRR
- FURTHER INCREASED RELIABILITY
- BUILT TO ASCE 50 YEAR WIND, SEISMIC AND SNOW LOADING EVENTS



WE ENGINEER POWER PLANTS

SPECIFICATION DATA



WEST ELEVATION

SOUTH ELEVATION

ENERGY PERFORMANCE

Over Fixed-tilt Rack	40-55% Annually (latitude dependent)
PV Power / Tracker	Configurable up to 13kW
String Configuration	2-4 Parallel Strings: Nominal Operating Voltage 250-1000V

PHYSICAL

Tracker Type	Dual-Axis
Azimuth Rotation	180°
Altitude Tilt	0° (Horizontal) to 60°
Tracking Accuracy	+/- 0.5°
Height @ Max. Tilt	20 ft. (6.1 m)
Width	39 ft. (11.9 m)
Weight (w/o Panels)	3100 lbs (1400 kg) Approx.

OPERATIONS

Azimuth & Altit. Drive	Enclosed Slew/Worm Drive
Drive Consumption	0.16 kWhr/Day
Drive Op. Voltage	24 VDC
Tracking Technology	Peak Power Tracking Algorithm with Integrated Shading Avoidance
Communications Monitoring	RS-485 Continuous Real Time via Software PV Trackers Remote Monitoring
Temperature Rating	-40° F to 158° F (-40° C to 70° C)
Wind Protection Sys.	Automated Stow Algorithm Based on Wind Speed
Wind Design Speed	95 MPH

COMPONENTS

Structural Material	A847/A588 Weathering Steel
Structural Design	ASCE Wind, Seismic and Snow
Electrical Cabinets	IP56 / Nema 4x

ENERGY

Panel Surface Area	920 ft ² (85.5 m ²)
Panel Type	Universal
Inverter Type	Universal

MAINTENANCE

Annual Inspection and Lubrication

WARRANTY

10 Year Fabricated Parts
5 Year Electronics
Extended Warranties Available