

# Sunflower Energy™

## Horizontal Single Axis Tracking Systems

Attributes	Specifications
Surface Area	215 s.f.
Tracking Axis	Single Axis Automatic Tracking (East – West)
Maximum Angle	40° in both directions
Drive Design (Actuators)	DC 24V, 18" stroke. 2500-3000 RPM 1.8 ~ 4.5 mm/sec
Module Support Structure	Anodized Aluminum
Module Attachment	Bolting to aluminum rails
Materials	Hot dip Galvanized Steel
Wind load resistance	90mph
Wind Protection	Optional; array automatically stows at 0° at pre-programmed wind speed
Control Method	Calendar & time (open loop)
Weight	770 lbs



## Dual Axis Tracking System

Model	SE-200	SE-300	SE-400
Max peak capacity	1.5 KW	3 KW	7.5 KW
Max Surface	130 s.f.	215 s.f.	538 s.f.
Position Accuracy	+/- 0.15°		
Tilting Drive (Actuator)	DC 24V, 2500-3200 rpm, 1.8-4.5 mm/sec, 24" or 36" stroke		
Azimuth Drive (slewing drive)	Worm gear and worm shaft mechanism, DC motor; reduction ratio = 41.750:1		
Tilting Angle	0° - 70°		
Azimuth Angle	0° - 270°		
Dynamic Load	220 lbs	1760 lbs	5720 lbs
Static Load	2200 lbs	3300 lbs	11000 lbs
Weight	440 lbs	1100 lbs	4400 lbs

