

# M16KD™ Gearless Dual-Axis Trackers for agricultural applications



Standard warranty	20 years on all components
Performance warranty	99.6% up-time
Tracking type	Gearless / dual-axis / zero-backlash
Light Diffuser	Acrylic plexiglas >91% transmission of full light spectrum
Diffuser ground coverage	100%
Power per tracker	33.6 kW (460W modules)
Panels per tracker	(80) 72-cell panels    (72) 144-cut cell panels
Panel area per tracker	1,830 square Feet
Zenith	Motion From 0° to 60°
Azimuth rotation	Motion From 0° to 360°
Drive type	3 hydraulic drives for azimuth motion, 1 hydraulic drive for elevation single motor 3-phase 277/480V 1.5A Wye or 1-phase 120/240V 3A
Array height	Up to 30 Feet 0 inches
Platform length	57 Feet
Platform width	33 Feet
Ground coverage ratio	28 to 50%
Operating temperature (C)	-40 C to +85 C
Materials	Hot dip galvanized steel
Tubes and purlins	G90 pre-galvanized steel
Wind (IBC 2012)	Default setting horizontal at 40 mph, adjusted by software Up to 105 mph continuous wind speed while horizontal 3-second gust winds up to 115 mph while horizontal
Data feed	Wi-Fi, RS485, MODBUS, ETHERNET, Wi-Fi
Night stow	Yes, configurable
Tracking accuracy	1°
Snow load	34.5 psf, software configurable to elevate platform at max tilt when snowfall
Annual power consumption	0.06% of annual production or 1,616kWh/MWdc per year
Land required	4 to 5 acres per MW
Tracker weight	6800 lb (platform 5200 lb, base and control units 1600 lb)

## M16KD-a-b

W = Wi-Fi wireless network  
S = RS485 wired network

1 = single-phase grid  
3 = three-phase grid

Gearless dual-axis tracker 1800s.f. platform