KIPP & ZONEN
SINCE 1830

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The new SOLYS Gear Drive sun tracker

highest load, widest temperature range, best performance







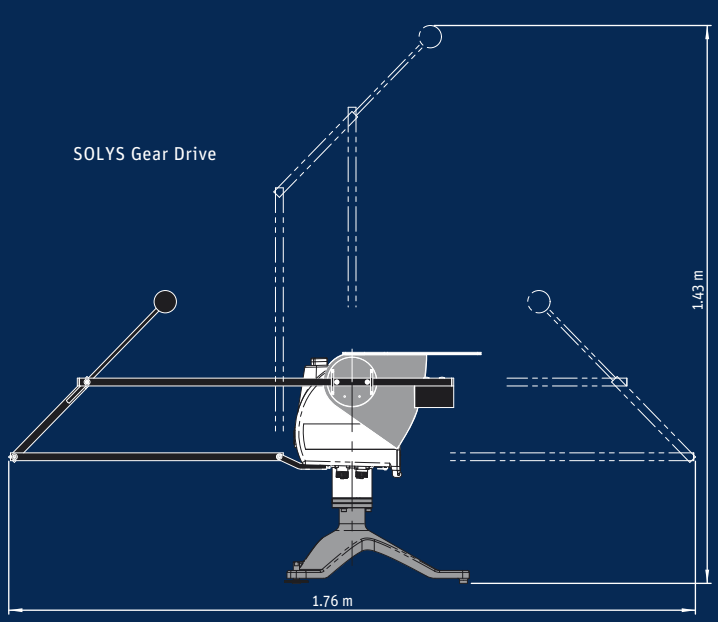


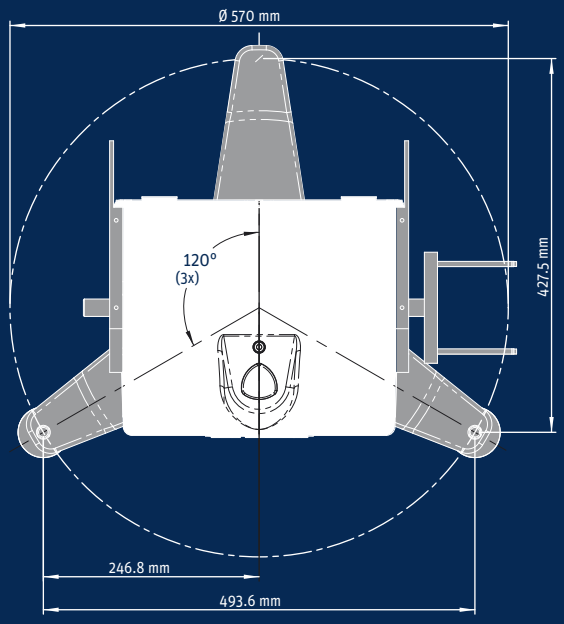


Temperature range -50 °C to +60 °C
80 kg payload
Ethernet and RS-485 communication
Standard Sun Sensor

The new SOLYS Gear Drive sun tracker with high precision reduction gear combines the highest payload, the widest temperature range and most advanced communication.

www.kippzonen.com





Specifications	2AP	SOLYS Gear Drive	SOLYS 2
Pointing accuracy	< 0.1 ° passive tracking < 0.02 ° active tracking (sun sensor)	< 0.1 ° passive tracking < 0.02 ° active tracking (sun sensor)	< 0.1 ° passive tracking < 0.02 ° active tracking (sun sensor)
Sun sensor	Optional	Standard	Optional
Torque	> 40 Nm (max. load & angular velocity) > 40 Nm (when sun tracking)	> 40 Nm (max. load & angular velocity) > 60 Nm (when sun tracking)	> 20 Nm (max. load & angular velocity) > 23 Nm (when sun tracking)
Payload (balanced)	65 kg	80 kg	20 kg
Communication	RS-232 and Win2AP Windows™ compatible software	RS-485 (Windows™) Ethernet and web interface	Ethernet and web interface
Operational temperature range	0 °C to +50 °C	-20 °C to +50 °C	-20 °C to +50 °C (DC)
Low temperature option	-50 °C to +50 °C (with heater & cold cover)	-50 °C to +50 °C (with heater & cold cover)	-40 °C to +50 °C (AC)
High temperature option	NA	-20 °C to +60 °C (with sun shield and bubble level protection)	NA
Storage temperature range	-50 °C to +50 °C	-50 °C to +60 °C	-40 °C to +50 °C
Supply voltage	24 VDC only or 115/230 VAC, 50/60 Hz only	18 to 30 VDC and 100 to 240 VAC, 50/60 Hz	18 to 30 VDC and 100 to 240 VAC, 50/60 Hz
Power consumption	50 W 150 W (operating with optional heater)	25 W (reduces to 13 W at night) 150 W (operating with optional heater)	21 W (reduces to 13 W at night) 100 W extra with heater on (AC only)
Transmission	Worm and bevel gear	High precision reduction gear	Inverted tooth belts
Location, time/date information, setup	Manual by Win2AP software	Automatic by integrated GPS	Automatic by integrated GPS
Mounting base	Flat base plate	Flat base plate	SOLYS Tripod Floor Stand included
Heavy Duty Tripod Floor Stand	Optional	Optional	Optional
Mounting for pyranometer(s)	Optional	Optional	Optional
Mounting for pyrheliometer	Two small side plates included No mounting kit included	One side plate and pyrheliometer mounting kit included	One side plate and pyrheliometer mounting kit included
Indicators	NA	Power, internal temperature and status LEDs	Power, internal temperature and status LEDs
Humidity range	0 to 100 % non-condensing	0 to 100 % non-condensing	0 to 100 % non-condensing
Ingress Protection (IP) rating	65	65	65

Note: The performance specifications quoted are worst-case and/or maximum values

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Go to www.kippzonen.com for your local distributor

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SOLYS2GD-V1504

Kipp & Zonen B.V. reserve the right to alter specifications of the equipment described in this documentation without prior notice