

SOLYS 2



SOLYS 2 is a cost-effective and simple sun tracking solution. It does not require a computer and software for installation because the integrated GPS automatically configures location and time data. Multi-colour LEDs indicate the operating status and an Ethernet port allows for communication via a web browser. The high-efficiency belt drive system requires no maintenance and the low consumption makes it ideal for use with solar and battery power systems. The ‘sleep mode’ reduces power by 50 % at night-time.

The tripod stand with levelling feet and the mountings for a pyrheliometer are included as standard. A second side plate can be fitted for an additional direct radiation instrument and top mounting plates are available for global radiometers. A shading assembly for diffuse radiation allows SOLYS 2 to be configured as a complete solar monitoring station and a sun sensor is available for active tracking.

Specifications

Pointing accuracy	< 0.1 °
Torque	20 Nm
Payload (balanced)	20 kg
Supply voltage (50/60 Hz)	18 to 30 VDC and 90 to 264 VAC
Power	25 W 125 W with heater operating (AC only)
Operating temperature range	-20 °C to +50 °C (DC) -40 °C to +50 °C (AC)
Transmission	Inverted tooth belts
Location, time/date information and setup	Automatic by integrated GPS
Mounting base	Tripod stand included
Zenith axis fittings	One side plate and pyrheliometer mounting kit standard
Heater for low temperature operation	Standard (operates on AC power only)
Communication	Ethernet and web interface
Indicators	Power, internal temperature and status LEDs

Article

Part number

SOLYS 2 Sun Tracker
Including tripod stand and mountings for CHP 1 pyrheliometer

0367900-001

Accessories for SOLYS 2

Part number

Sun Sensor Kit for active tracking	0367707
Side Mounting Plate for second side of zenith shaft	0367708
Small Top Mounting Plate For 1 global radiometer (ventilated or un-ventilated)	0367712
Large Top Mounting Plate For up to 3 global radiometers (ventilated or un-ventilated)	0367709
Shading Ball Assembly Including 2 shading balls, large top plate and second side plate	0367703
Shading Ball and Rod Extra, for third position on shading assembly	0353704
CHP 1 Mounting Kit * To fit 1 x CHP 1 pyrheliometer	0367710
Tilted CMP Pyranometer Mounting Kit To mount a CMP series pyranometer to the side plate of the SOLYS 2	0367713
PMO 6 Mounting Kit * To fit 1 x PMOD-WRC PMO 6 absolute cavity pyrheliometer	0367704
SPO2 Mounting Kit * To fit 1 x Middleton Solar SPO2 (-L) sun photometer	0367705
HF/AHF Mounting Kit * To fit 1 x Eppley HF or AHF absolute cavity pyrheliometer	0367706

** Note: These mounting kits also require a side mounting plate*