Meteo Station

SMART AND FLEXIBLE
- Supporting connection to iSolarCloud and Insight for real-time monitoring

SIMPLE AND EFFICIENT
- Supporting fast protocol configuration and data upload to the cloud platform
- RS485 communication connection for easier on-site operation
- Easy installation and supporting AC and DC external power supply

SAFE AND RELIABLE
- In-time, safe, and reliable data upload
- High ingress of protection, IP65

Type designation		Meteo Station	
Communication		**Module temperature**	
Logger communication	RS485	Sensor range	-40 to 80 °C
Max. communication distance		Resolution	0.1 °C
Serial port communication distance	< 1200m	Accuracy	±0.1 °C
Interface design		**Temperature / humidity**	
RS485	1 input	Sensor range	-40 to 80 °C / 0 to 100 %RH
RS232	1 input	Resolution	0.1 °C / 0.1 %RH
Power supply		Accuracy	±0.1 °C / ±2 %RH
Power supply	12 VDC / 220 VAC	**Air Pressure**	
Ambient parameters		Sensor range	300~1100 Hpa
Operating temperature	-20 ℃ to 55 ℃	Resolution	0.1 Hpa
Storage temperature	-50 ℃ to 80 ℃	Accuracy	± 0.3 Hpa
Relative air humidity	≤100 %, non-condensing	**Protocol**	
Elevation	≤3000m	Modbus RTU	9600 / n / 8 / 1
Protection class	IP65	**Number of radiation sensors**	
Wind Speed		Supported number	2
Threshold velocity	≤0.5 m / s	**General data**	
Sensor range	0 to 70 m / s	Dimension (Width)	100 to 120 cm
Resolution	0.1 m / s	Dimension (Height)	180 to 250 cm
Accuracy	±0.3 m / s	Weight	15 kg
Wind Direction		Display	WEB / APP
Threshold velocity	≤0.5 m / s	Language (Software / manual)	Chinese and English
Sensor range	0 to 360°	**Ordering information**	
Resolution	1°		
Accuracy	±3°	PC-4	Wind speed, Wind direction, Global radiation, Air temperature, Relative humidity, Module temperature
Global Radiation			
Accuracy	≤5 %		
Response time	≤30 s		
Spectral Range	280 to 3000 nm	PC-4 Pro	Wind speed, Wind direction, Horizontal radiation, Global radiation, Air temperature, Relative humidity, Module temperature, Air pressure
Temp. coefficient	±2 %(-20 °C to +40 °C)		
Sensor range	0 to 2000 W / m²		
Resolution	1 W / m²		