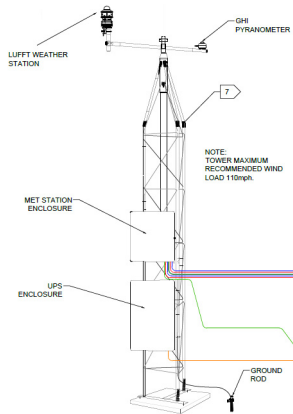




# Utility scale weather station sensors



AlsoEnergy's Utility Weather Solution has been designed with the rugged durability required for utility scale installations and provides flexible sensor options needed to meet project specifications. It is backed by our dedicated support staff and standard AlsoEnergy warranty terms apply.

AlsoEnergy UPS + PowerLogger 1000	<ul style="list-style-type: none"> <li>• Backup time dependent on configuration selected</li> <li>• Data buffering and storage for more than 6 months – ensure that environmental data continues to be collected during plant outages to accurately calculate losses</li> <li>• Local data retrieval for backed up data</li> <li>• Local UI for diagnostics and commissioning</li> </ul>										
Campbell Scientific 10' Tower	<ul style="list-style-type: none"> <li>• Mounting support for stationary sensors and enclosures</li> <li>• Wind load rating of 110 mph</li> </ul>										
<p>(2) Hukseflux SR-30D2 Pyranometers (typical config)</p> 	<ul style="list-style-type: none"> <li>• Highest accuracy class certification (ISO Secondary Standard)</li> <li>• Integrated heater and ventilator for wide operating range (-40 to +176 °F)</li> <li>• Direct digital output of all data including tilt angle, internal humidity, and temperature for diagnostics</li> </ul>										
(4) Module temperature sensors	Platinum RTD sensors										
Lufft WS500-UMB sensor package	Integrated heater and radiation shield										
	<table border="1"> <tr> <td data-bbox="355 1556 688 1633">Ambient temperature</td> <td data-bbox="688 1556 1497 1633"> <ul style="list-style-type: none"> <li>• Operating range -58 to 140F</li> <li>• Accuracy +/- 0.9F</li> </ul> </td> </tr> <tr> <td data-bbox="355 1633 688 1682">Relative Humidity</td> <td data-bbox="688 1633 1497 1682">Accuracy +/- 2% RH</td> </tr> <tr> <td data-bbox="355 1682 688 1730">Barometric pressure</td> <td data-bbox="688 1682 1497 1730">Accuracy +/- 0.5 hPa</td> </tr> <tr> <td data-bbox="355 1730 688 1839">Wind speed</td> <td data-bbox="688 1730 1497 1839"> <ul style="list-style-type: none"> <li>• Ultrasonic sensor and integrated heater minimize icing issues</li> <li>• Range 0 to 168mph</li> <li>• Accuracy +/- 3% to 78 mph</li> </ul> </td> </tr> <tr> <td data-bbox="355 1839 688 1890">Wind direction</td> <td data-bbox="688 1839 1497 1890">Accuracy +/- 30</td> </tr> </table>	Ambient temperature	<ul style="list-style-type: none"> <li>• Operating range -58 to 140F</li> <li>• Accuracy +/- 0.9F</li> </ul>	Relative Humidity	Accuracy +/- 2% RH	Barometric pressure	Accuracy +/- 0.5 hPa	Wind speed	<ul style="list-style-type: none"> <li>• Ultrasonic sensor and integrated heater minimize icing issues</li> <li>• Range 0 to 168mph</li> <li>• Accuracy +/- 3% to 78 mph</li> </ul>	Wind direction	Accuracy +/- 30
Ambient temperature	<ul style="list-style-type: none"> <li>• Operating range -58 to 140F</li> <li>• Accuracy +/- 0.9F</li> </ul>										
Relative Humidity	Accuracy +/- 2% RH										
Barometric pressure	Accuracy +/- 0.5 hPa										
Wind speed	<ul style="list-style-type: none"> <li>• Ultrasonic sensor and integrated heater minimize icing issues</li> <li>• Range 0 to 168mph</li> <li>• Accuracy +/- 3% to 78 mph</li> </ul>										
Wind direction	Accuracy +/- 30										