

# MET STATIONS AND INSTRUMENTATION

## For Solar, Solar & Storage Hybrid Plants

The Terabase Energy's Denali Meteorological (MET) Station can combine a mixture of components from industry leading manufacturers to achieve project specific goals. The MET station can be configured in multiple ways to meet the varying needs of the project owner. It will arrive on-site pre-configured, and either fully or partially assembled depending on location.

The Denali MET station can be selected for AC or DC primary power with various battery backup sizes depending on project needs. If necessary, a separate enclosure will be provided for the battery. For off-grid capabilities solar panels can be integrated. A power calculation is performed for each station and will be provided during the design phase for review.

Each Denali MET station comes standard with Modbus TCP and RTU communication enabled. Additional protocols are available. It also includes a NEMA 4 rated enclosure and a 6ft tower for mounting. The system comes equipped with 3 months of data logging at 1 minute average with the option for longer storage if needed.

**A Base Model Denali will include the following measurements:**

Measurement	Range	Resolution	Accuracy
Air Temperature	-40 to +70°C	0.1°C	+/- 0.3°C
Relative Humidity	0 to 100%	0.1	+/- 2%
Barometric Pressure	300 to 1100 hPa	0.1hPa	+/- 0.5 hPa
Wind Speed	0.01 to 60 m/s	0.01 m/s	
Wind Direction	0° to 359°	+/- 3°	1°
Precipitation	0 to >300mm/h	0.08mm	
Back of Module Temp	-40° to +135°C		+/- (0.15 + 0.002t)

Measurement	Spectral Range	Operating Temperature Range
Global Horizontal Irradiance	285 to 3000 nm	- 40°C to +80°C
Plane of Array Irradiance	285 to 3000 nm	- 40°C to +80°C

The Denali MET station also supports quick integration of the

Fracsun Soiling System



Atonometrics MARS Soiling Sensor

