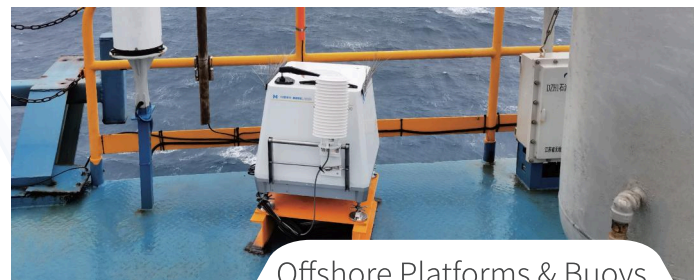
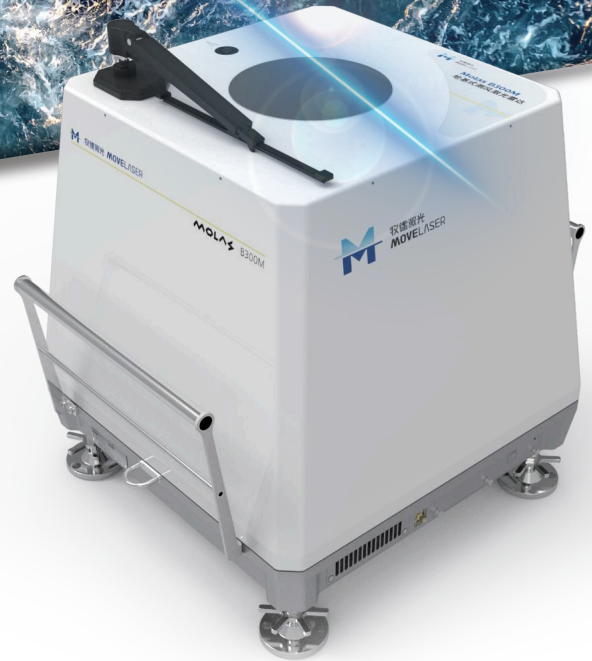


# Offshore Wind Lidar Molas B300M

Molas B300M is a wind lidar specially designed for offshore wind energy measurement. It inherits the main advantages of the ground-based wind lidar Molas B300. It can meet the harsh use environment at sea, and is equipped with high-precision inertial measurement unit and attitude compensation algorithm, so that it can be placed on non-fixed carriers such as buoys and ships for high-precision real-time wind speed measurement.



## Product Advantages

- **Low cost:** Whether it is used with monopile platforms or buoys, the price is much lower than the construction cost of offshore wind towers
- **Large range:** 40~300m, 12 custom height levels
- **High precision:** full life cycle, accuracy up to 0.1m/s and 1°
- **Time-saving and efficient:** the project construction period is short, saving valuable time and cost
- **Flexible configuration:** flexible wireless connection, enabling remote configuration delivery and data transmission
- **Data security:** data encryption has no risk of leakage
- **Non-contact measurement:** convenient and fast, leading the industry



## Performance Parameters



### Basic Parameters

Measuring Distance	30-300m
Measurement Layer	12
Sampling Rate	1Hz
Wind Speed Accuracy	0.1m/s
Wind Direction Accuracy	1°
Wind Speed Range	0~75m/s
Wind Direction Range	0~360°
Measurement Principle	Pulsed Laser Coherent Doppler

### Data Parameter

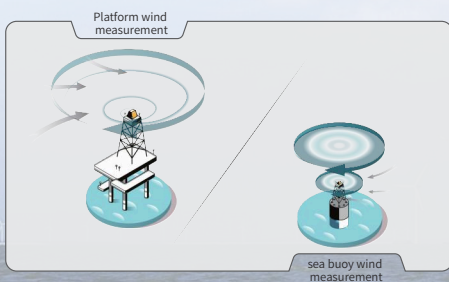
Data Output	Horizontal wind speed, vertical wind speed, Wind direction Timestamp, GPS, temperature, Humidity and pressure, statistics
Data Format	ASCII
Communication	RJ45 Cable, Cellular (2G/3G/4G) Wi-Fi, Beidou short message(optional) , Satellite communication (optional)

### General Parameters

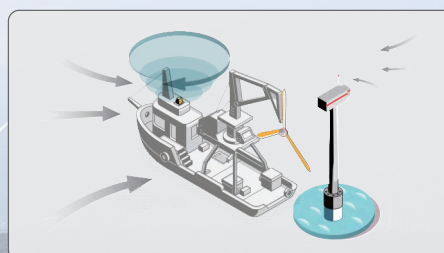
Powered By	24V DC, 100~240V DC
Power	60W
Size	500*500*602mm <sup>3</sup> (without handle) 603*500*602mm <sup>3</sup> (with handle)
Weight	≤50kg
Temperature Range	-40°C~50°C (With over temperature protection)
Humidity Range	0% to 100%
Protection Class	IP67(whole machine)
Corrosion Class	C5M, IEC60068-2-52-2017
Eye Safety	Class 1M(EN60825-1)

## Application Scenarios

■ Early wind resource detection



■ Offshore construction and operation and maintenance wind power monitoring



■ Prediction of wind power in offshore wind farms

