

WINDFORCE Series Off-Grid and Off-Shore Wind Generators



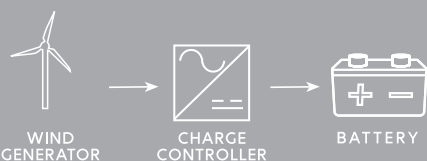
WINDFORCE6000
12/24V BATTERY CHARGER



WINDFORCE6000-MA (Marine)
12/24V BATTERY CHARGER



WINDFORCEI5000
24V BATTERY CHARGER



WINDFORCE Series Off-Grid and Off-Shore Wind Generators 12V/24V Battery Charger

Product Overview

The new **WINDFORCE-Wind Generator Battery Chargers** are the ideal solution for off-grid, off-shore and backup power applications. Optimal Charging and Maintenance for your Deep Cycle Batteries. Generate power day and night. Low noise aerodynamics and designed to perform in low wind speeds. The models WINDFORCE6000 and WINDFORCE6000-MA (Marine) charge both 12 Volt and 24 Volt battery banks. The model WINDFORCEI5000 charge 24 Volt battery banks. All WINDFORCE models include the Battery Charge Controller.

The Marine version is ideal for salt and marine applications, this product comes with a corrosion resistant powder coated aluminum cast body for superior durability.

These Turbines are capable of supplying power to help run your appliances and electronics. Ideal for cabins, 12V and 24V battery charging, remote power, back-up power and more: Refrigeration, auto-pilot, water maker, lights, navigational equipment, communication equipment & more. Can be set for Gel, Flooded and AGM batteries.

Available Models

WINDFORCE6000	12/24VDC - 35A
WINDFORCE6000-MA	12/24VDC - 35A
WINDFORCEI5000	24VDC - 40A

Optional - ISLANDERS Wind Turbine Tower Kit - TOWEOLSU (30 ft-9 mts)

WINDFORCE Features and Benefits

- **Designed** to perform in low wind speeds
- **Versatile** wind turbine that charges both 12 Volt and 24 Volt battery banks
- **Endurance** weatherproof marine grade industrial design
- **Low noise** aerodynamic fiberglass blades
- **Marine Version** with corrosion resistant powder coated aluminum cast body. Ideal for salt and marine applications
- **Do-it-yourself** maintenance free installation
- Safe and efficient charging is provided with the **Maximum Power Point Tracking Charge Controller** (included) that maximizes power output for optimal charging capability and battery health.
- **Available models in 12V or 24V** for charging 12V or 24V batteries
- **Compact Design and Lightweight** anodized aluminum casing

Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



WINDFORCE Series Off-Grid and Off-Shore Wind Generators

WINDFORCE Specifications



WINDFORCE6000



WINDFORCE6000-MA



WINDFORCEI5000

MODEL	WINDFORCE6000	WINDFORCE6000-MA	WINDFORCEI5000
Related Speed	12.5m/s, 27.96MPH, 45km/h	12.5m/s, 27.96MPH, 45km/h	14m/s, 31.3MPH, 50.4km/h
Related Power	600 W	600 W	1500 W
Voltage with MPPT	12 or 24V	12 or 24V	24V
Rotor Diameter	1.31 m (4.3 ft)	1.31 m (4.3 ft)	1.7 m (5.58 ft)
Start-up Wind Speed	2m/s, 4.5MPH, 7.20km/h	2m/s, 4.5MPH, 7.20km/h	> 1m/s, 2.24MPH, 3.60km/h
Survival Wind Speed	70m/s, 157MPH, 252km/h	70m/s, 157MPH, 252km/h	60m/s, 134.2MPH, 216km/h
Number of Blades	3	3	3
Blade Material	Glass Fiber	Glass Fiber	Plastic compound with glass fiber
Suggest Battery Capacity	> 400Ah at 12V or > 200Ah at 24V	> 400Ah at 12V or > 200Ah at 24V	> 200Ah at 24V
Cut-in Wind Speed	2.5m/s, 5.59MPH, 9km/h	2.5m/s, 5.59MPH, 9km/h	2.5m/s, 5.59MPH, 9km/h

MPPT CHARGE CONTROLLER	WINDFORCE6000	WINDFORCE6000-MA (Marine)	WINDFORCEI5000
Max. Power	450W Max.@12V or 600W Max.@24V	450W Max.@12V or 600W Max.@24V	1500W Máx. @ 24V
Battery Voltage Range	12V o 24VCC	12V o 24VCC	15-35 V DC For 24VDC battery
Input Voltage Range	5-75 V RMS	5-75 V RMS	5-75 V RMS
Battery Protection Voltage	12V – 14.4V (lead-acid batteries) or 15.8V (Deep cycle batteries) 24V – 28.8V (lead-acid batteries) or 30V (Deep cycle batteries)	12V – 14.4V (lead-acid batteries) or 15.8V (Deep cycle batteries) 24V – 28.8V (lead-acid batteries) or 30V (Deep cycle batteries)	29.5V±1V (lead-acid batteries) 31V±1V(Deep cycle batteries)
Max. Current	35A	35A	Hi: 40A (max.45A) / Lo: 20A (Max.22A)
Over-Speed Braking	< 1400 rpm	< 1400 rpm	< 1400 rpm

L-II06214-MA



Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



info@dot-pacific.com
www.dot-pacific.com