

GET

MAXIMUM POWER

FROM THE

FREE WIND

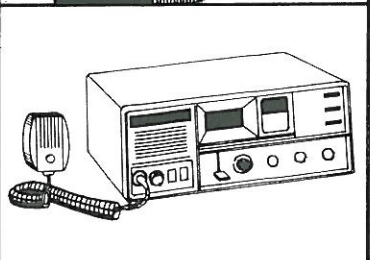
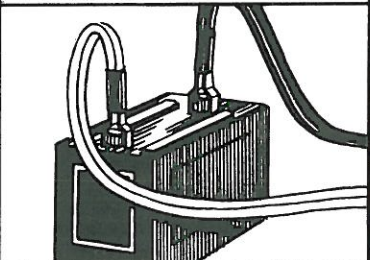
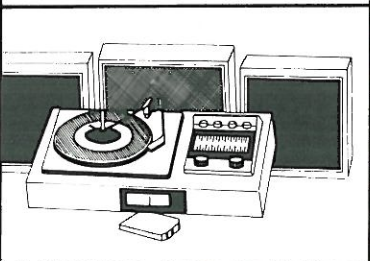
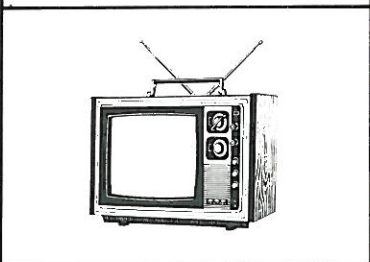
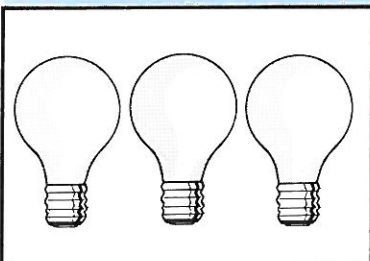
WITH A

HEAVY DUTY 12 VOLT

**12 VOLT
WIND ELECTRIC
BATTERY CHARGER**

WINCHARGER®

MODEL NO. 1222H WIND ELECTRIC
BATTERY CHARGER



**STARTS CHARGING IN
7 MILE AN HOUR BREEZE**

The ideal source of electrical power for remote applications where a limited amount of 12V electricity is required. The Wincharger 12V Heavy Duty Wind Driven Plant requires a minimum amount of maintenance and gives years of trouble free service. The Wincharger starts charging in a 7 mile breeze and reaches its maximum charge of 14 amperes in a wind velocity of 23 miles per hour.

6 FOOT PROPELLER . . .

Built on the famous Albers Air-Foil principle. Machine made . . . perfectly balanced. Copper-armored leading edges. Protected by three coats of weather-proof varnish.

200 WATT GENERATOR . . .

Bearings grease sealed. 7½" frame diameter.

ENCLOSED COLLECTOR RING . . .

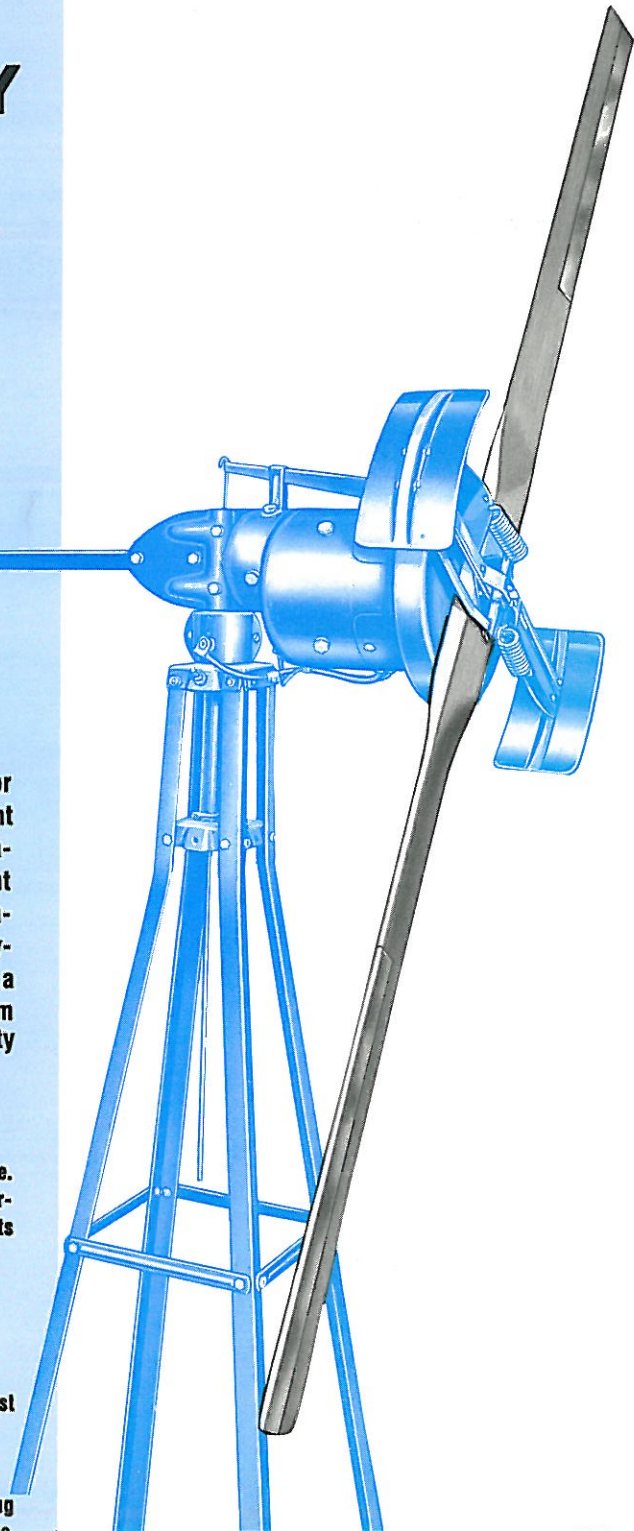
Provides complete protection against dust, frost and ice. Equipped with double carbon brushes.

NO RADIO INTERFERENCE . . .

Condensers on generator and special grounding spring inside generator eliminate radio interference.

STRONG WINCHARGER TOWER . . .

Model 1222H mounts on sturdy 10 foot 4-leg angle iron tower. Rigidly braced . . . newest construction features. All parts fit perfectly to make erection simple.



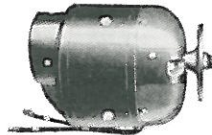
WINGCO

Division of DYNA TECHNOLOGY, INC.
MINNEAPOLIS, MINN. 55420

HEAVY DUTY 12 VOLT MODEL No. 1222H WIND ELECTRIC

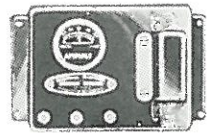
LARGE, STURDY GENERATOR

Wincharger's heavy duty, 4 Pole 7½" diameter generators are built for long life and low maintenance. Ball bearings are permanently sealed.



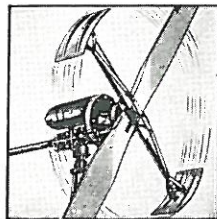
INSULATED INSTRUMENT PANEL

Completely wired. Connections-marked for easy installation. Reverse current device. Ammeter shows amount of charge or discharge. Voltage regulator not available.

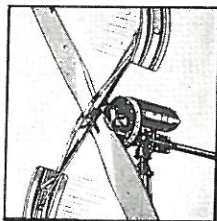


PATENTED AIR-BRAKE GOVERNOR

Operates by centrifugal force. When wind velocity exceeds 23 miles per hour, governor flaps automatically open and spread wind away from propeller (See illustration). Governor also acts as a fly wheel to maintain even propeller speed and eliminate vibration in gusty wind.



"Normal"



"Governing"

Optional Voltage Available at extra cost
24 volt, 28 volt, 32 volt and 36 volt

CHARGING RATES:

Revolutions Per Minute	Amperes
270	0
350	2½
440	6
570	10
700	12
900	14

WINCHARGER®

STANDARD EQUIPMENT INCLUDES:

- INSULATED INSTRUMENT PANEL
- 6 FOOT PROPELLER
- 200 WATT GENERATOR
- ENCLOSED COLLECTOR RING
- AIR BRAKE GOVERNOR
- 10 FOOT WINCHARGER TOWER

SPECIFICATIONS

Tower	10 Feet High
Propeller Type	2 Blade
Size	6 Feet
Material	Wood
Gear Ratio	Direct
Generator	7½" Diameter 4 Pole

Capacity (Watts)	200
Approximate Maximum Amps.	14
Approximate Maximum Volts	15
Generator Speed Range (RPM)*	270/900
Governor Type	22" Air-Brake

	Net	Domestic Shipping	Export Shipping	Vol. Cu. Ft.
Generator and Parts	61 Lbs.	67 Lbs.	93 Lbs.	1.7
Tower and Propeller	70 Lbs.	74 Lbs.	103 Lbs.	3.0
Governor Assembly	3 Lbs.	4 Lbs.	7 Lbs.	.4

Propeller Speed Range (RPM)*	270/900
Wind Speed Range (MPH)*	7/23
Voltage Regulator	Optional

Average Usable KWH per month	
10 MPH Average	20
12 MPH Average	26
14 MPH Average	30

Size Battery Recommended	230 A.H.
(Battery not included)	
No. Battery Cells	6
Volts per Cell	2.5
(When fully charged**)	

* Wind and Propeller and Generator speed ranges as given indicate first the speed that is required to begin charging the battery and then the speed required for the governor to begin operation.

For example: On Model 1222 the propeller begins charging the battery at 260 RPM which corresponds to a generator speed of 260 RPM and a wind speed of 7 MPH. Governing speed is reached at 700 RPM, which corresponds to a generator speed of 700 RPM and a wind of 23 MPH.

**For lead acid batteries only.

MANUFACTURED BY

WINCO

Division of DYNA TECHNOLOGY, INC.
7850 Metro Parkway
Minneapolis, Minnesota 55420
Phone 612 853-8400