



MODEL: PPG-B300 AKA PPG-D300B

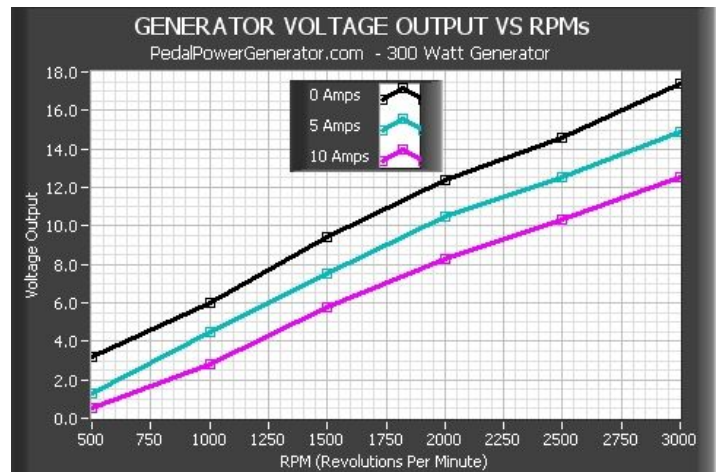
This generator dynamo is a robust ball bearing generator with a sturdy mounting bracket. Ventilation holes have been cut into the face of the generator to provide adequate ventilation. Ball bearings are used on the shaft for excellent radial load performance. This generator can also be used as a motor. It has 0.4 horsepower capability.

GENERATOR OUTPUT VOLTAGE CURVE vs. RPMs

This chart shows Voltage output with respect to revolutions per minute speed. The data was collected under 3 test conditions:

- No load
- 5 Amps
- 10 Amps

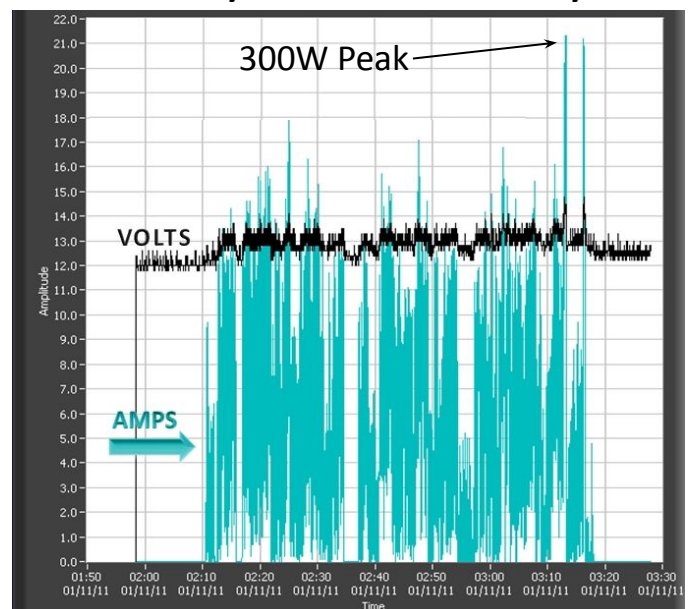
For example at 2500 RPM the chart indicates the generator reached a potential of 14V DC.

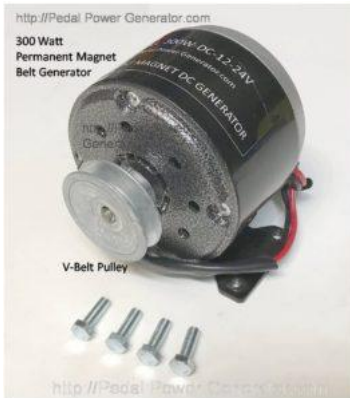


SPECIFICATIONS

Model	PPG-B300
Output Voltage Range	0 to 40V DC
Peak Wattage Output	300W (15V @20A)
Nominal current rating	15A
Peak current rating	20A
Max R.P.M.	2800
Pulley diameter	2"
Belt size (width)	3L or 3/8"
Shaft bearing type	Sealed ball bearing
Armature style	4 Pole Brushed
Mounting holes	Qty 4
Mounting bolt size	6mm thread
Weight	8 Lbs
Internal resistance	0.35 Ω
Wire cable length	12 Inches
Generator wire size	12 AWG
Typical AH per hour	7AH
Typical KWH per hour	100 WH = 0.1kWH

1 Hour Test Charging 12VBattery Power Pack With Bicycle





Battery Charging

Below is the recommended configuration used for charging 12V or 24V lead acid batteries. Note - lithium batteries must be charged carefully with a temperature monitor to make sure they do not over heat and explode. That is why lead acid batteries are the preferred type of batteries to use with this generator.

12V BATTERY CHARGING

Bike Generator



15 Amp Fuse
<https://amzn.to/2mUtvbR>

12V Battery
<https://amzn.to/2lnDeH4>



OR

Blocking
Diode

<https://amzn.to/2lsvWly>

12V Power Pack



<https://amzn.to/2mUhmDM>