

**AGENDA  
SCHOOL DISTRICT OF MANAWA  
BUILDINGS & GROUNDS COMMITTEE MEETING**

**Date: January 25, 2018**

**Time: 5:30 p.m.**

**MES Board Room  
800 Beech St., Manawa**

**Board Committee Members: R. Johnson (C), Scheller, Forbes**

**In Attendance:**

**Timer:** \_\_\_\_\_ **Chair:** \_\_\_\_\_ **Recorder:** \_\_\_\_\_

1. SY1718 Maintenance Budget (Information / Action)
  - a. Consider Purchase of Portable Generator (track timer, former elementary building, power outages, etc)
  - b. Consider Purchase of a Fork Lift (deliveries on pallets, moving larger items between buildings, etc.)
2. Site Analysis & Feasibility Study (Information / Action)
  - a. Recommendation to Board
3. Update on Energy Efficiency Projects (Information / Action)
  - a. MES Boilers and Water Heaters
  - b. Timeline
  - c. Additional Projects 2017-18: MES Chiller, Windows and Lighting, MES Secured Entrance
4. Paving the Way Grand Opening (Information)
5. Bleachers (Information / Action)
6. Lawn Treatment 2018 (Information / Action)
7. Buildings & Grounds Committee Planning Guide (Information)
8. Next Meeting Date: \_\_\_\_\_
9. Next Meeting Items:
  - a.
  - b.

1. SY1718 Maintenance Budget
    - a. Consider Purchase of Portable Generator
    - b. Consider Purchase of a Fork Lift Action \_\_\_\_\_ Table \_\_\_\_\_
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2. Site Analysis & Feasibility Study
    - a. Recommendation to Board Action \_\_\_\_\_ Table \_\_\_\_\_
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3. Update on Energy Efficiency Projects
    - a. MES Boilers and Water Heaters
    - b. Timeline
    - c. Additional Projects 2017-18: MES Chiller, Windows & Lighting, MES Secured Entrance Action \_\_\_\_\_ Table \_\_\_\_\_
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4. Paving the Way Grand Opening Action \_\_\_\_ Table \_\_\_\_

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5. Bleachers Action \_\_\_\_ Table \_\_\_\_

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6. Lawn Treatment 2018 Action \_\_\_\_ Table \_\_\_\_

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7. Buildings & Grounds Committee Planning Guide Action \_\_\_\_ Table \_\_\_\_

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8. Next Meeting Date \_\_\_\_\_

Chair: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Signature

- [Best For 2017](#)
- [Styles](#) ▾
  - [For Camping](#)
  - [Quietest](#)
  - [Home-Use](#)
  - [Professional-Use](#)
  - [Emergency-Use](#)

## Top Generator Reviews

### Find Your Generator Today

Even if you've never used one...

### Top Generator Reviews (Updated For 2017)

Here are the [best portable, standby and RV generators](#) for camping, home use, emergencies and professionals. Choose a list below and get started:

#### Featured In Generator Reviews



[Generator Comparison](#)

#### [Top Generators For 2017](#)

- Choose from the best.
- > [See Best Generators](#)

- Compare the top 37 generators.
- > [Compare Now](#)

#### Popular Styles



#### [Quiet and Light](#)

- Inverter technology.
- > [See 6 Quietest](#)



#### [For Camping](#)

- Affordable, compact.
- > [See Best](#)



#### [For Contractors](#)

- Heavy-duty use
- > [See Pro Genys](#)

#### Best Types



#### [Portable](#)

- Easy to move.
- > [See All Top Portable](#)



#### [Standby](#)

- Works when needed.
- > [See All Top Standby](#)



#### [RV](#)

- Power your RV.
- > [See All Top RV](#)

## Engine-Generator Features That Matter

An engine-generator (or *gen-set*, or just *generator*) is a piece of electromechanical equipment that creates electrical energy from mechanical energy to power electrical devices like light bulbs, refrigerators, heaters and computers.

- Some sort of fuel is burned in the engine to create heat. The heat causes the pistons in the engine to expand (want to [see how this happens in a graphic?](#)) and that motion is translated to the rotor within the alternator.
- The spinning action of the rotor induces a voltage difference in the stator windings within the alternator.
- The windings are connected to an external circuit, and that circuit provides the alternating current (AC) used to power electrical devices.

### Terms You Need to Know:

- **kW (Kilowatts):** 1 kW equals 1000 W. This is the power the gen-set can provide. It is defined as the rate of energy transfer. A typical LCD big screen TV requires 250 W or .25 kW. A microwave typically requires 1 kW. [See what power other home appliances require.](#)
- **Surge/Starting Power:** This is the advertized power most companies sell their generator with. It is the power a generator can provide for short time intervals like when starting a blender (1400 W) vs continuously running it (600 W).
- **Running/Continuous Power:** This is the power a generator can provide continuously. It is usually advertized within the product description text not the title.




### Features to look for in a gen-set:

1. **Fuel Type** – You have the option of getting an engine that runs on diesel, petrol, propane or natural gas fuel. [Their are pros and cons for each.](#) Petrol/gasoline remains the most popular. You can see some [ratings of each fuel type here.](#)
2. **Inverter or Conventional** – [Inverter generators](#) are smaller, quieter and more fuel efficient than the conventional type. They are also more expensive for the power. The difference is they use magnets and an inverter and not the large amount of copper winding to induce the voltage difference and create the current flow to provide the alternating current. In addition, because they use an inverter to convert to AC they provide a cleaner/smoothier electricity that can power your sensitive electronics like a laptop.

## Types & Styles of Engine-Generators

It's pretty easy to know which type of generator you want. You either want to move it around or you want it to stay put beside your house or in your RV.

The portable variety are the most affordable and least powerful. The standby variety are the most expensive and most powerful. The RV variety are in the middle. [See the best of each variety here.](#)

Generator Types and Sub-Styles	Portable	Standby	RV
What Type Looks Like			
Style 1	Recreational	Essential Home Backup Power	Propane (LP)
Style 2	Home	Entire House Backup Power	Gasoline
Style 3	Job Site	Commercial	Diesel
Fuel Types	Gasoline Diesel NG/LP > <a href="#">Which fuel type?</a>	Diesel NG/LP > <a href="#">Which fuel type?</a>	Gasoline Diesel NG/LP > <a href="#">Which fuel type?</a>

Generator Types and Sub-Styles	Portable	Standby	RV
Best Reason To Buy	Most Versatile	Most Dependable	Take Your RV Deep Into The Wilderness Comfortably
Power Range (Running kW)	0.8 - 17.5	7 - 150	3.4 - 8.5
Links	> <a href="#">All Portable Styles</a>	> <a href="#">All Standby Styles</a>	> <a href="#">All RV Styles</a>

## Thanks!

I hope those *portable, standby and RV generator reviews* helped.

Cheers, Jamey

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### • Top Generators 2017

#### ◦ MVP & Top Camping



[Yamaha 2 kW Generator Review](#)

#### ◦ Most Affordable



[All Power America Genset Review](#)

#### ◦ Best Seller & Top Value



[DuroMax 4.4 kW Genset Review](#)

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Automotive > RV Parts & Accessories > Power & Electrical > Generators



Click to open expanded view

# All Power America APG3014, 1400 Running Watts/2000 Starting Watts, Gas Powered Portable Generator

368

customer reviews  
| 41 answered questions

Price: **\$265.78** & **FREE Shipping**. Details

Item is eligible: No interest if paid in full within 6 months with the Amazon.com Store Card.

**Only 12 left in stock - order soon.**

**Want it Friday, Nov. 17?** Order within **16 hrs 10 mins** and choose **Standard Shipping** at checkout. Details  
Ships from and sold by Amazon.com.

- 2,000 Watts Surge/1,400 Watts Continuous
- 3 HP 4-Stroke Engine
- Runs 9.5 hours at 50% load
- Low Noise at 68dB
- Non-CARB Compliant/Not For Sale In California

Compare with similar items

New (1) from **\$265.78** & **FREE shipping**. Details

Report incorrect product information.

This item's packaging may indicate what is inside and

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80+ Shares

Qty: 1

**Add a Protection Plan:**

- 4-Year Protection for **\$28.89**
- 3-Year Protection for **\$15.66**

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**Ship to:**

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Have one to sell?

Sell on Amazon



# CAT

*The powerful choice when the job calls for it.*

Cat RP7500E Gas Powered Portable Generator with Electric Start - 7500 Ru...

19

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Automotive > RV Parts & Accessories > Power & Electrical > Generators



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DuroStar

# DuroStar DS4000S, 3300

## Running Watts/4000 Starting Watts, Gas Powered Portable Generator and Wheel Kit Bundle

543

Customer reviews

8 answered questions

Currently unavailable. Don't know when or if this will be back in stock.

Generator + Wheel Kit

Generator

from 4 sellers

Generator + Wheel Kit

- DuroStar DS4000S, 3300 Running Watts/4000 Starting Watts, Gas Powered Portable Generator
- DuroStar DS4000S-WK Wheel Kit for DS4000S

Compare with similar items

Report incorrect product information.



Masterbuilt

Master the art of smoking

Shop now

Share

920+ Shares

Currently Unavailable

Want us to email you when this item becomes available?

Email Me

Email: jmdopp86@gmail.com

Not Melanie? Sign Out.

Add to List



XCELL! Generator

Portable Solar Generator - Energy Storage

6

\$289.99 ✓prime

Advertisement

# This bundle contains 2 items (may ship separately)



1 of DuroStar DS4000S, 3300 Running Watts/4000 Starting Watts, Gas Powered Portable Generator (543)

- Durable DuroStar 7.0 Hp, air cooled OHV engine w/low oil shutoff
- Heavy duty steel frame with four point fully isolated motor mounts for smooth and quiet operation
- Full power panel with oil warning light, volt meter, circuit breaker and power outlets
- Power Plug Configuration:(2)-120 Volt, 20 Amp, 60 Hz-NEMA 5-20R Outlets, (1)-120 Volt, 30 Amp, 60 Hz-NEMA L5-30 Outlet
- 8 Hour run time
- 4000 Watt Surge/3300 watt continuous
- 4 Gallon gas tank/8 hour run time
- EZ-Pull recoil start
- EPA Approved
- Automatic low oil shut off



1 of DuroStar DS4000S-WK Wheel Kit for DS4000S (322)

- Fits DuroStar DS4000S
- 2 Never flat tires
- Convenient center pull handle

## Sponsored products related to this item (What's this?)



100-Watt Portable Generator Power Inverter, 40800mAh CPAP Battery Pack... 248

Paperback \$143.88



Coolis 150Wh Portable Solar Power Inverter Generator, Power Source... 92

\$143.88



Goal Zero Yeti 400 Lithium Solar Generator Kit with Boulder 50 Solar... 20

\$739.95



AUDEW Portable Generator Power Inverter 220Wh... 76

\$225.99



Honda EU7000is - 5500 Watt Electric Start Portable Inverter Generator 1

\$4,803.98



\$

Ad feedback

## Customers who viewed this item also viewed



Champion 3500-Watt RV Ready Portable Generator (EPA) (Not for sale in CA) 235

4 offers from \$302.99



Champion 3800-Watt Dual Fuel RV Ready Portable Generator with Electric Start 165

\$499.00



Champion 3500-Watt RV Ready Portable Generator with Wheel Kit 50



Champion 3500-Watt RV Ready Portable Generator with Wireless Remote Start 363

1 offer from \$1,199.99



DuroMax XP4000S 7.0 HP Air Cooled OHV Gasoline Powered Portable RV Generator, 88

1 offer from \$699.10





DuroMax XP4400E  
4,400 Watt 7.0 HP  
OHV 4-Cycle Gas  
Powered Portable  
636  
4 offers from \$799.45

### What other items do customers buy after viewing this item?



Champion 3500-Watt RV Ready Portable Generator (EPA) (Not for sale in CA)  
235  
4 offers from \$302.99



Champion 3800-Watt Dual Fuel RV Ready Portable Generator with Electric Start  
165  
\$499.00

### Special offers and product promotions

Style: Generator + Wheel Kit

- Get a **\$75.00 statement credit** after first Amazon.com purchase made with new Discover it® card within 3 months. Terms and conditions apply. See offer for details. [Apply now](#)

## Have a question?

Find answers in product info, Q&As, reviews

## Compare to similar items



**This item** DuroStar DS4000S, 3300 Running Watts/4000 Starting Watts, Gas Powered Portable Generator and Wheel Kit Bundle



Green-Power America GPD4000 4000W Consumer Select Series Recoil Start Generator



WEN 56475, 3750 Running Watts/4750 Starting Watts, Gas Powered Portable Generator, CARB Compliant



PowerPro 56101, 900 Running Watts/1000 Starting Watts, Gas Powered Portable Generator

Add to Cart

Add to Cart

Add to Cart

<b>Customer Rating</b>	(543)	(5)	(460)	(408)
<b>Price</b>	<b>Unavailable</b>	\$329 <sup>00</sup>	\$409 <sup>97</sup>	\$121 <sup>06</sup>
<b>Shipping</b>	—	FREE Shipping	FREE Shipping	FREE Shipping
<b>Sold By</b>	—	Autocare Depot	Amazon.com	Amazon.com
<b>Item Dimensions</b>	—	17.5 x 24 x 20 in	17.1 x 26.6 x 17.3 in	12 x 14 x 13.5 in
<b>Wattage</b>	—	4,000 watts	4,750 watts	900 watts

Product information

Style:Generator + Wheel Kit

<b>ASIN</b>	B01EMOW246
<b>Customer Reviews</b>	443 customer reviews 4.4 out of 5 stars
<b>Best Sellers Rank</b>	#132,973 in Patio, Lawn & Garden (See Top 100 in Patio, Lawn & Garden) #110 in Automotive > RV Parts & Accessories > Power & Electrical > Generators #2,939 in Patio, Lawn & Garden > Generators & Portable Power

Warranty & Support

**Product Warranty:** For warranty information about this product, please click here

Feedback

If you are a seller for this product, would you like to suggest updates through seller support?  
Would you like to tell us about a lower price?

Sponsored products related to this item (What's this?)



BestEquip 400 Watt Wind Turbine DC12V Wind Turbine Kit 800RPM Wind  
3  
\$233.99



AUDEW Portable Generator Power Inverter 220Wh/60.000mAh  
76  
\$225.99



100-Watt Portable Generator Power Inverter, 40800mAh CPAP Battery Pack  
248  
Paperback  
\$143.88



Goal Zero Yeti 400 Lithium Solar Generator Kit with Boulder 50 Solar  
20  
\$739.95



Suaoki 400Wh/120,000mAh Portable Solar Generator Lithium ion  
167  
\$419.99

Ad feedback

Automotive > RV Parts & Accessories > Power & Electrical > Generators



Roll over image to zoom in

WEN

## WEN 56400, 3500 Running Watts/4050 Starting Watts, Gas Powered Portable Generator

★★★★☆ 460 customer reviews | 272 answered questions

Available from these sellers.

Size: **4050 Watt**

<b>4050 Watt</b> from 2 sellers	4750 Watt \$409.97	5500 Watt from 2 sellers	7000 Watt from 2 sellers	9000 Watt \$855.66
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13000 watt  
from 2 sellers

- Features low-oil shutdown, an automatic voltage regulator and overload protection
- Voltage selector allows easy switching from 120V to 240V as needed
- Spark arrestor for usage in U.S. national parks and forests
- 212cc engine provides 4050 surge watts and 3500 rated watts
- 4-gallon gas tank runs for 11 hours at half load.

Compare with similar items

New (1) from \$1,403.40 & FREE shipping.

Report incorrect product information.

**GENERATOR WATTAGE GUIDE**

Find the right generator for your power needs - [Get Started](#)

**Greenworks**

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Life gets easier.



Shop now

Automotive > RV Parts & Accessories > Power & Electrical > Generators



DuroMax  
**DuroMax XP10000E, 8000 Running Watts/10000 Starting Watts, Gas Powered Portable Generator**

★★★★☆ 255 customer reviews | 163 answered questions

Available from these sellers.

- 8000 watts /10000 surge
- 8.3 Gallon Gas Tank
- EPA and CARB approved
- Automatic Low Oil Shut Off
- 8000 watts /10000 surge
- 8.3 Gallon Gas Tank
- EPA Approved

Show more

Compare with similar items

New (2) from \$1,900.00 & FREE shipping.

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★★★★☆  
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