

The Solar Stik™ System Vs. a Portable Gasoline Generator

	Honda EU2000iA	Solar Stik™ 100 Nano & Power Pak 100 System **
Engine	Honda GX200	No Engine
Displacement	98.5 CC	No Engine
AC Output	1600 Watt Continuous	1000 Watts Continuous (Inverter)
DC Output	12V 96 Watts (8A)	12V 100 Watts (8.3A)
Fuel Tank Capacity	1 Gal	No Fuel Needed
Hours Run Time per Tank @ Rated Load	4 Hrs.	No Fuel Needed
Hours Run Time per Tank @ 1/4 Load	15 Hrs.	No Fuel Needed
Maximum Fuel Consumption	.25 Gal per Hour	No Fuel Needed
Minimum Fuel Consumption (required to maintain engine operation)	.07 Gal per Hour	No Fuel Needed
Power Available at Minimum Fuel Consumption Rate	100 Watts	No Fuel Needed
Noise Level	59 DB Max 53 DB Min	0 DB
Resistance to Inclement Weather	Low	High
Dry Weight	50 lbs (single parcel)	173 lbs. (two parcels)
Residential Warranty	3 years	3 years / 25 years
Life Expectancy	Depending on Usage – 5 years with maintenance	25 years
Manufacturer's Retail Purchase Price	\$1,099.00	\$4,900.00
Average Daily Running Time *	12 Hours Daily (daylight)	12 Hours Daily (daylight)
Average Power Used ****	1 Kilowatt-hour	1 Kilowatt-hour
Power Availability	Power is available only when generator is operating	Power is available on-demand from Power Pak (Power Storage Device)
Annual Operation Time	(12 hours x 365 days) 4,380 hours	(24 hours x 365 days) 8,760 hours
Daily Fuel Cost at 1 Kwh Power Consumption	\$2.56	No Fuel Needed
Annual Fuel Cost	\$934	No Fuel Needed
Annual Maintenance Costs *	\$1,861 *****	\$50.00 ***
Total Annual Operating Expense	\$2,795.00	\$50.00
Cost to Operate during Life Expectancy	\$13,975 for 5 Years	\$2,500 for 25 Years
TOTAL COST TO OWN & OPERATE	\$15,074 for 5 Years	\$7,400 for 25 years

* Assumes "full-time" generator dependency (operation in remote & austere conditions, with lack of access to traditional power)

** Power Pak 100 not needed if an existing battery bank is present.

*** New batteries are needed every 2 years at \$200.00, if Power Pak is operated continuously 24 hrs a day.

**** Since an appliance's Power Consumption rate fluctuates, an average of 1Kwh is used based on simple appliances that are typically used with a 1-2 Kw portable power generator

***** Following Honda recommended service schedule for EU2000i (average service \$85.00 every 200 hours over the life of the generator)

NOTE – Use of a Solar Stik™ **Pro-Verter** will create a hybrid solar/gas generator system and reduce the generator run time to approximately 1-2 hours daily (80-90% reduction in operational costs).