

## SOLMAN VS GAS GENERATOR COST COMPARISON

Company	SolSolutions	Company	ETQ (Low End)	Company	Makita (Middle of the Road)	Company	Honda (High End)
<b>Product</b>	<b>Solman</b>	<b>Product</b>	<b>TG1200</b>	<b>Product</b>	<b>G1100 1,100-Watt 2.5 HP</b>	<b>Product</b>	<b>EU2000iA</b>
Watts (Max. Output)	1200	Watts (Max. Output)	1200	Watts (Max. Output)	1100	Watts (Max. Output)	2000
Weight (lbs)	300	Weight (lbs)	55	Weight (lbs)	63	Weight (lbs)	47
Initial Price (\$)	4300	Initial Price (\$)	150	Initial Price (\$)	850	Initial Price (\$)	1080
Additional Needs	Battery Replacement (5 year avg.)	Additional Needs	Warranty (One year with product)	Additional Needs	Warranty (One year with product)	Additional Needs	Gas (1.1 gallon tank)
			Gas (1.1 gallon tank)		Gas (1.1 gallon tank)		
			Oil (50:1 gas to oil ratio)		Oil (50:1 gas to oil ratio)		
Scheduled Maintenance (none)		Scheduled Maintenance	Oil Change every 75 hours of use Valve adjust/tune-up every	Scheduled Maintenance	Oil Change every 75 hours of use Valve adjust/tune-up every	Scheduled Maintenance	Oil Change every 75 hours of use Valve
		Oil Change cost	\$2.50	Oil Change cost	\$2.50	Oil Change cost	\$2.50
Available output (on full batteries at night, 67% max. discharge)	1000 watts for 2.5 hour 500 watts for 5 hours 250 watts for 10 hours	Valve adjust/tune-up/service (average dealer charge)	\$100	Valve adjust/tune-up (average dealer charge)	\$100	Valve adjust/tune-up (average dealer charge)	\$100
Availability of power from SOLMAN - at conservative 2/3 of day of use in	2400 yearly hours or 46 hours average of some degree of quiet usable power per week	Run hours yearly low usage (24 gas tank fulls) (1.85 hrs per week average)	96	Run hours yearly low usage (24 gas tank fulls) (1.85 hrs per week average)	96	Run hours yearly low usage (24 gas tank fulls) (1.85 hrs per week average)	96
		Run hours yearly high usage (122 gas tank fulls) (9.38 hrs per week average)	488	Run hours yearly high usage (122 gas tank fulls) (9.38 hrs per week average)	488	Run hours yearly high usage (122 gas tank fulls) (9.38 hrs per week average)	488
Gell cell deep cycle 100 amp/hr batteries	\$200	Warranty (per year extra)	\$12	Warranty (per year extra)	\$50	Gas (per gallon, unleaded, US national	\$2.00
Add 270 watts of PV input with optional wing units	\$1,500	Gas (per gallon, unleaded, US national avg.)	\$2.00	Gas (per gallon, unleaded, US national avg.)	\$2.00	Gas at previous and predicted price	\$5.00
Total wattage output during day with 3 panel version	watts	Gas at previous and predicted price	\$5.00	Gas at previous and predicted price	\$5.00	Total 10 year Oil Change Costs ( low usage )	\$32
Average sun/hours per day northern California (2/3 of year)	5	Briggs & Stratton 2-Cycle Oil	\$6	Briggs & Stratton 2-Cycle Oil	\$6	Total 10 year Oil Change Costs ( high usage )	\$162.67
Total average power output during day	2025 watts per day	Total 10 year Oil Change Costs ( low usage )	\$32	Total 10 year Oil Change Costs ( low usage )	\$32	Total 10 year Scheduled Service Costs ( low	\$320
		Total 10 year Oil Change Costs ( high usage )	\$162.67	Total 10 year Oil Change Costs ( high usage )	\$162.67	Total 10 year Scheduled Service Costs ( high	\$1,626.67
		Total 10 year Scheduled Service Costs ( low usage )	\$320	Total 10 year Scheduled Service Costs ( low usage )	\$320		
		Total 10 year Scheduled Service Costs ( high	\$1,626.67	Total 10 year Scheduled Service Costs ( high	\$1,626.67		
<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$4,900</b>	<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$1,348.00</b>	<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$2,240.00</b>	<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$1,960</b>
Avg. Total Cost for Ten Years with expanded PV	\$6,400	(Based on 24 full tank uses per year) - Low Usage (full replacement after 5		(Based on 24 full tank uses per year) - Low Usage		(Based on 24 full tank uses per year or 96 hours run time) Low Usage	
		<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$2,140</b>	<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$3,882.00</b>	<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$2,752</b>
Intangible Values What does this cost to you?	No pollution or fumes. No gas jugs to haul or fill ever.	<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$5,481.33</b>	<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$6,073.33</b>	<b>Avg. Total Cost for Ten Year Ownership</b>	<b>\$5,553.33</b>
		(Based on 122 full tank uses per year) High Usage (full replacement after		(Based on 122 full tank uses per year) - High Usage		(Based on 122 full tank uses per year) - High Usage	
Intangible Values What does this cost to you?	Completely quiet operation. No noise whatsoever.	<b>Avg. Total Cost for Ten Year Ownership (\$5/gallon)</b>	<b>\$9,507.33</b>	<b>Avg. Total Cost for Ten Year Ownership (\$5/gallon)</b>	<b>\$10,099.33</b>	<b>Avg. Total Cost for Ten Year Ownership (\$5/gallon)</b>	<b>\$9,579.33</b>