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SOLAR SAVING CALCULATOR

Estimated Yearly Saving is indicative only. It is provided to give an estimate only and not to be used to make purchase decisions. Cost savings may vary depending on such things as location, orientation, tilt and products.

SOLAR SAVINGS CALCULATOR 2021								
ENERGY ANALYSIS		Average daily system Production (kWh)	Daily self-consumption (kWh)	Daily solar export (kWh)	Daily electricity bought from grid (kWh)	Daily savings from self-consumption (\$)	Daily savings from solar export (\$)	Total daily savings (\$)
Solar Feed-in Tariff (Export)	\$0.1600	25.23	10.00	15.2	10.00	\$2.84	\$2.44	\$5.28
General usage rates	\$0.2844							
Daily supply charge	\$0.8702							
Quarterly household energy usage (kWh)	1,800	Quarterly electricity bought from grid (kWh)	Quarterly self-consumption (kWh)	Quarterly solar export (kWh)	Quarterly electricity bought from grid (kWh)	Quarterly savings from self-consumption (\$)	Quarterly savings from solar export (\$)	Total quarterly savings (\$)
Average daily household energy usage (kWh)	20.0	912.50	912.5	1389.2995	912.50	\$259.52	\$222.29	\$481.80
Usage Pattern (0.7 = 70% Day usage and 30% at Night)	0.50	*Figures are indicative only. Actual returns will depend on weather trends, system performance, electricity rates, and Feed-in Tariff rates.						
Billing Days	90.00	Number of years to pay off	Annual ROI (%)	Annual Savings (\$)	Energy Bill Before Solar	Energy Bill after Solar	BILL SAVING (QTR)	% Save
SYSTEM		1.683491481	59%	1900.8	590.2	115.0	475.20	80.5
SYSTEM SIZE	6.60							
Average Daily Sun Hours	3.9							
Efficiency factor	0.98							
Cost of system	\$3,200.00							
YELLOW FIELDS ARE FOR INPUTS		KW SIZE		6.6				
		OLD BILL		NEW BILL				
		\$ 590.24		\$ 115.04				
		ANNUAL SAVINGS		\$ 1,900.81				

6.6kW

SOLAR SAVINGS CALCULATOR 2021								
ENERGY ANALYSIS		Average daily system Production (kWh)	Daily self-consumption (kWh)	Daily solar export (kWh)	Daily electricity bought from grid (kWh)	Daily savings from self-consumption (\$)	Daily savings from solar export (\$)	Total daily savings (\$)
Solar Feed-in Tariff (Export)	\$0.1600	38.22	10.00	28.2	10.00	\$2.84	\$4.52	\$7.36
General usage rates	\$0.2844							
Daily supply charge	\$0.8702							
Quarterly household energy usage (kWh)	1,800	Quarterly electricity bought from grid (kWh)	Quarterly self-consumption (kWh)	Quarterly solar export (kWh)	Quarterly electricity bought from grid (kWh)	Quarterly savings from self-consumption (\$)	Quarterly savings from solar export (\$)	Total quarterly savings (\$)
Average daily household energy usage (kWh)	20.0	912.50	912.5	2575.075	912.50	\$259.52	\$412.01	\$671.53
Usage Pattern (0.7 = 70% Day usage and 30% at Night)	0.50	*Figures are indicative only. Actual returns will depend on weather trends, system performance, electricity rates, and Feed-in Tariff rates.						
Billing Days	90.00	Number of years to pay off	Annual ROI (%)	Annual Savings (\$)	Energy Bill Before Solar	Energy Bill after Solar	BILL SAVING (QTR)	% Save
SYSTEM		1.883885326	53%	2649.3	590.2	-72.1	662.33	112.2
SYSTEM SIZE	10.00							
Average Daily Sun Hours	3.9							
Efficiency factor	0.98							
Cost of system	\$4,991.00							
YELLOW FIELDS ARE FOR INPUTS		KW SIZE		10.0				
		OLD BILL		NEW BILL				
		\$ 590.24		\$ 72.09				
		ANNUAL SAVINGS		\$ 2,649.31				

10kW

SOLAR SAVINGS CALCULATOR 2021								
ENERGY ANALYSIS		Average daily system Production (kWh)	Daily self-consumption (kWh)	Daily solar export (kWh)	Daily electricity bought from grid (kWh)	Daily savings from self-consumption (\$)	Daily savings from solar export (\$)	Total daily savings (\$)
Solar Feed-in Tariff (Export)	\$0.1600	57.33	10.00	47.3	10.00	\$2.84	\$7.57	\$10.42
General usage rates	\$0.2844							
Daily supply charge	\$0.8702							
Quarterly household energy usage (kWh)	1,800	Quarterly electricity bought from grid (kWh)	Quarterly self-consumption (kWh)	Quarterly solar export (kWh)	Quarterly electricity bought from grid (kWh)	Quarterly savings from self-consumption (\$)	Quarterly savings from solar export (\$)	Total quarterly savings (\$)
Average daily household energy usage (kWh)	20.0	912.50	912.5	4318.8625	912.50	\$259.52	\$691.02	\$950.53
Usage Pattern (0.7 = 70% Day usage and 30% at Night)	0.50	*Figures are indicative only. Actual returns will depend on weather trends, system performance, electricity rates, and Feed-in Tariff rates.						
Billing Days	90.00	Number of years to pay off	Annual ROI (%)	Annual Savings (\$)	Energy Bill Before Solar	Energy Bill after Solar	BILL SAVING (QTR)	% Save
SYSTEM		1.653312171	60%	3750.0	590.2	-347.3	937.51	158.8
SYSTEM SIZE	15.00							
Average Daily Sun Hours	3.9							
Efficiency factor	0.98							
Cost of system	\$6,200.00							
YELLOW FIELDS ARE FOR INPUTS		KW SIZE		15.0				
		OLD BILL		NEW BILL				
		\$ 590.24		\$ 347.27				
		ANNUAL SAVINGS		\$ 3,750.05				

15kW