

Grid Feed Solar

System Examples

Reduce your power bills and become less dependant upon polluting fossil fuels!

Now more cost effective with Government rebate scheme.



In the following examples, the inverter boosts the input from the solar array to 240V AC in order to feed it directly into the electricity grid. The power usage will come from the grid and you pay for the net usage (the difference between the two). If you require a power system that continues providing power in the case of grid failure you will need batteries.

Grid Feed System 1.

- 12 x 85W (GT) Solar Panels
- 3 x Solar Mounting Frames
- 1 x Fronius IG 1500W Grid Feed Inverter

Price on above 3 items = \$13,105
 Installation = \$ 895
 Total Cost = \$14,000
 Less Rebate = \$4,000

Final cost (excluding freight or travel) = \$10,000

Under average conditions, 12 solar panels of this capacity will produce 1,874 kilowatt hours of energy per year. This will reduce CO₂ emissions by about 1.912 kg or about 1,564 m³ in volume. This will also save \$262 per year from your power bill as long as the power remains at about 14 cents per unit. Cost per Watt = \$9.80 (after the rebate)

Grid Feed System 2.

- 12 x 125W (GT) Solar Panels
- 2 x Solar Mounting Frames
- 1 x Sunny Boy 1700W Grid Feed Inverter

Price on above 3 items = \$17,767
 Installation = \$ 1,233
 Total Cost = \$19,000
 Less Rebate = \$4,000

Final cost (excluding freight or travel) = \$15,000

Under average conditions, 12 solar panels of this capacity will produce 2756 kilowatt hours of energy per year. This will reduce CO₂ emissions by about 2,811 kg or about 1,564 m³ in volume. This will also save \$385 per year from your power bill as long as the power remains at about 14 cents per unit. Cost per Watt = \$10.00 (after the rebate)

Grid Feed System 3.

- 9 x 200W (GT) Solar Panels
- 3 x Mounting frames
- 1 x Sunny Boy 1700W Grid Feed Inverter

Price on above 3 items = \$21,835
 Installation = \$ 1,165
 Total Cost = \$23,000
 Less Rebate = \$4,000
 Final cost (excluding freight) = \$19,000

Under average conditions, 9 solar panels of this capacity will produce 3,306 kilowatt hours of energy per year. This will reduce CO₂ emissions by about 3,371 kg or about 1,876 m³ in volume. This will also save \$463 per year from your power bill as long as the power remains at about 14 cents per unit. Cost per Watt = \$10.55 (after the rebate)

Grid Feed System 4.

- 15 x 200W (GT) Solar Panels
- 5 x Mounting frames
- 1 x Sunny Boy 2500W Grid Feed Inverter

Price on above 3 items = \$35,100
 Installation = \$3,000
 Total Cost = \$38,100
 Less Rebate = \$4,000

Final cost (excluding freight) = \$34,100

Under average conditions, 15 solar panels of this capacity will produce 5,507 kilowatt hours of energy per year. This will reduce CO₂ emissions by about 5,617 kg or about 3,125 m³ in volume. This will also save \$771 per year from your power bill as long as the power remains at about 14 cents per unit. Cost per Watt = \$11.37

Note: These systems are examples.
 In most cases the number of solar modules can be varied.
 Larger grid feed inverters are available.



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