

	Solar Panels	System size (watts)	Inverter	Roof area m ²	Approx. Solar Generation (kWh)		Installed price \$ (inc. GST)	AGO PVRP Rebate \$	REC Rebate \$	Final installed price \$ (inc. GST)
					Daily	Yearly				
EM Solar Special	6 x 175W	1050	SMA SB1100	8	5.25	1,916	13,000 - 15,000	8,000	525	4,475 - 6,475
Empower Grid 1575	9 x 175W	1575	Fronius IG15	12	7.875	2,874	18,000 - 20,000	8,000	788	9,713 - 11,713
Empower Grid 2100	12 x 175W	2100	Fronius IG20	16	10.5	3,833	22,500 - 24,500	8,000	1,050	13,950 - 15,950
Empower Grid 2625	15 x 175W	2625	Fronius IG30	20	13.125	4,791	27,500 - 29,500	8,000	1,313	18,688 - 20,688
Empower Grid 3150	18 x 175W	3150	Fronius IG40	24	15.75	5,749	34,000 - 36,000	8,000	1,575	24,425 - 26,425
Empower Grid 3500	20 x 175W	3500	Fronius IG40	26.7	17.5	6,388	36,500 - 38,500	8,000	1,750	27,750 - 29,750
Empower Grid 4200	24 x 175W	4200	Fronius IG40	32	21	7,665	42,000 - 44,000	8,000	2,100	35,900 - 37,900
Empower Grid 4725	27 x 175W	4725	Fronius IG60	37.8	23.63	8,623	51,500 - 53,500	8,000	2,363	41,138 - 43,138
Empower Grid 5250	30 x 175W	5250	Fronius IG60	40	26.25	9,581	53,500 - 55,500	8,000	2,625	44,375 - 46,375

Energy Matters' solar panels are all high efficiency and high power 175W mono-crystalline modules from global leaders in manufacturing, namely Sharp, Suntech and Solarfun. Due to small footprint of our solar panels, they require less mounting space than some other kinds of panels currently on the Australian market!

Prices vary due to length of cables, roof mounting materials required, and distances from CBD. Energy generation based on solar panels facing north at 30 degree tilt with 5 sun hours. AGO PVRP and REC Rebates are subject to change without notice.

Inverter Upgrade Costs

model	upgrade	cost
SMA Sunny Boy SB1100	Fronius IG15	\$600.00
	Fronius IG20	\$1,090.00
	Fronius IG30	\$1,530.00
	Fronius IG40	\$2,900.00
	Fronius IG60	\$3,575.00
Fronius IG15	Fronius IG20	\$465.00
	Fronius IG30	\$900.00
	Fronius IG40	\$2,300.00
	Fronius IG60	\$2,950.00
Fronius IG20	Fronius IG30	\$435.00
	Fronius IG40	\$1,835.00
	Fronius IG60	\$2,485.00
Fronius IG30	Fronius IG40	\$1,835.00
	Fronius IG60	\$2,485.00
Fronius IG40	Fronius IG60	\$650.00

Rebate Support:

- ▶ Photovoltaic Rebate Programme (PVRP) provides \$8 per watt, up to a maximum of \$8,000
- ▶ Renewable Energy Certificates (RECs), resulting in an additional rebate (above the federal PVRP) of currently around AU\$500.00 per kW of Solar Panels installed.
- ▶ Larger rebates available for Schools, Churches and Community building. Please contact Energy Matters for more information.
- ▶ AGO PVRP and REC Rebates are subject to change without notice.

Components of an EMpower grid connect solar power system:

- ▶ 175W mono-crystalline silicon solar modules/panels with 25 year warranty on output
- ▶ Suntop 3 German designed mounting system with a 10 year warranty on the durability of the material
- ▶ Fronius high efficiency German made grid connect inverter with 5 year warranty
- ▶ Cabling, circuit breakers, enclosures and signage to Australian Standards (AS4777)
- ▶ Installation
- ▶ Processing of AGO PVRP and REC rebates

Warranties:

- ▶ Our panels, (Sharp, Suntech, and Solarfun 175w) are guaranteed to produce more than 80% of their rated power for 25 years after the date of purchase.
- ▶ The Fronius and SMA inverters have a 5 year performance warranty.
- ▶ Suntop 3 Framing System has a 10 year warranty.
- ▶ 12 months on BCSE accredited installation workmanship.

Upgrade Options:

▶ Solar System Remote Display Monitoring (option 1)

Fronius Remote Personal Display - the wireless display for your living room.

A personal display placed in the room of your choice displays information from the inverter.

Equipment required for this option is the Fronius Remote Personal Display = AU\$399.00 +

Fronius Personal Display Card = AU\$200.00

Option 1 Total = \$599

▶ Solar System Computer Control and Monitoring (option 2)

Fronius COM Card - control your Solar System from your personal computer!

The COM Card is the network card that every inverter needs for communication.

The Data Logger stores the data from the inverter, and coupled with free downloadable software, visualisation, system administration and further processing of data is enabled from the comfort of your own computer.

Fronius COM Card = AU\$190.00 + Fronius Easy Data Logger Box = AU\$670.00

Option 2 Total = AU\$860

Maximum Input Power Capability of Inverters:

- ▶ SMA Sunny Boy SB1100 Grid Connect Inverter = 1350 Watts
- ▶ Fronius IG15 Grid Connect Inverter = 2000 Watts
- ▶ Fronius IG20 Grid Connect Inverter = 2700 Watts
- ▶ Fronius IG30 Grid Connect Inverter = 3600 Watts
- ▶ Fronius IG40 Grid Connect Inverter = 5500 Watts
- ▶ Fronius IG60 Grid Connect Inverter = 6700 Watts