Tawanai Energy

Reliable power for existing generator users.

Large home and office 5kw solution.

All items included with installation.

Prices and estimates are based on our own experience gained from actual installed and delivered systems.

You shall be charged the actual costs because our project management charges are fixed and separated from the items in the project.

5KW inverter hybrid

48V Battery 280 Ah

460 watt modules x 4 for 1840 watt array.

Updated on : 20 April 2022

Updated on : 19 June 2022

Fixed Amounts :

Project management : **Rs 75,000**

Electrician : **Rs. 75,000**

Inverter : **Rs 77,500**

MaxPower Sunglow VMII 5KW Rs 77,500

MaxPower 5KW INFINI VII Rs 84,525

Solar Module Frames : Rs **12,000**

Batteries : Rs 110,000

Phoenix Tubular Lead Acid Battery TX3500 09 Plates 280 Ah

52,000 x 4 = 108,000 + 2,000 transport = **110,000**

http://web3.atrc.net.pk/products/tawanai/batteries/tawanai%20battery%20prices%2017%20june%202022-1.pdf

Wooden box cover for batteries : Rs **40,000**

Solar Modules : Rs 128,800 + 5000 transportation = **133,800**

**75000 + 75000 + 77500 + 12000 + 110000 + 40000 + 133800 = **

Rs. 523,300

Fixed total : Rs. 523,300

Ranges :

DC breakers, fuses and wiring : Rs 10,000 – Rs. 20,000

AC Wiring, parts and wiring fix range : Rs. 30,000 to Rs. 120,000

Solar Array wiring range : Rs 20,000 – Rs 50,000

Ranges minimum : 50,000 Maximum : 190,000. Difference = 140,000

Total range :

Minimum : 523,300 + 50,000 = 573,300

Maximum : 523,300 + 190,000 = 713,300

1 Ton split air conditioner inverter based with UPS option Rs. 100,000

Contact : + 92 343 270 2932

Email tawanai@atrc.net.pk

Web : http://atrc.net.pk/tawanai

This system shall save about Rs 300 per day and has an ROI of about 5.4 years if there is no utility power failure.

If the load shedding is 5 hours per day and you used a diesel generator to cope, then this system shall save about Rs 500 per day and has shall have an ROI of about 3.3 years.

These estimates are based on our experience. Please understand that it is an estimate and based on our measurements of delivered systems so far.

Every system and case is different and the savings could be more or less depending on how it is used and how much load shedding occurs in your area.

We can upgrade the system to meet any unexpected developments which were not known during the design and implementation phase of the system.