

Quality, Reliability & Trust
***MECHATRONIX SOLAR GAZEBO
SOLUTION***



Warranty & After Sales Services

End to End Solution

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MECHATRONIX.....

A Security Automation Company

has been serving for the last 19 years in Security Automation Business with a Specialty in **Customized Solutions.**

Fabrication facility situated in Industrial Area Islamabad, We are fabricating electromechanical / electro-hydraulic / electro-Pneumatic state of the art security gadgets like K-12 Rated Blockers, K-8 Rated Bollards, K-4 Rated Boom Barriers, K-4 Rated Tyre Bursters, Turnstiles, Flap Barriers, UVSS, Solar Panel Works, Heavy duty Sliding & Swing gates and automate Gadgets as per Client's specifications. We have successfully provided customized software integrated with hardware **PACS, VACS & VMS** solutions to numerous Government, Semi Government, multinational, Sensitive and Private Organizations.



MECHATRONIX

MECHATRONIX Scope of Work

Consultancy	EPC (Engineering, Procurement and Construction) Works	O&M (Operational & Maintenance) Works
✓ Feasibility Studies (Via Survey)	✓ Rooftop Solar systems	✓ Monitoring (via Solarify)
✓ Engineering/3-D Drawings	✓ Rooftop Off-grid Solar systems	✓ Interactive Reporting
✓ Formal Technical & Financial Quote after Submission of 3-D Design	✓ Solar Parks (Off-grid/On grid)	✓ Due Diligence
✓ Working on the Requirement from End-User	✓ Hybrid on/off-grid Solar systems	✓ Preventive/Corrective/Predictive
✓ Facilitating Bankability & Financing		✓ Maintenance for Solar System Optimization

PROPOSED PLAN

Quality, Reliability & Trust

MECHATRONIX SOLAR GAZEBO

- Introduction
- Features
- Technical Specifications
- Proposed Design



INTRODUCTION

- Mechatronix is the OEM(original equipment manufacture) of Gazebo
- Purpose of Gazebo is to provide power supply for laptops, tablets and mobiles etc.
- Generates power form the sun light through Solar Panel
- Easy for Students and Employee to use
- It has also a plus feature that is wireless charging for Mobile Phone.

FEATURES OF SOLAR GAZEBO

- **Stable & Reliable Power**

- ✓ 24 hr. electricity availability without dependence on grid power

- **Long Life & Low Maintenance Asset**

- ✓ 10 Years Performance warranty and low maintenance costs

- **Eliminate Other Fuel Costs**

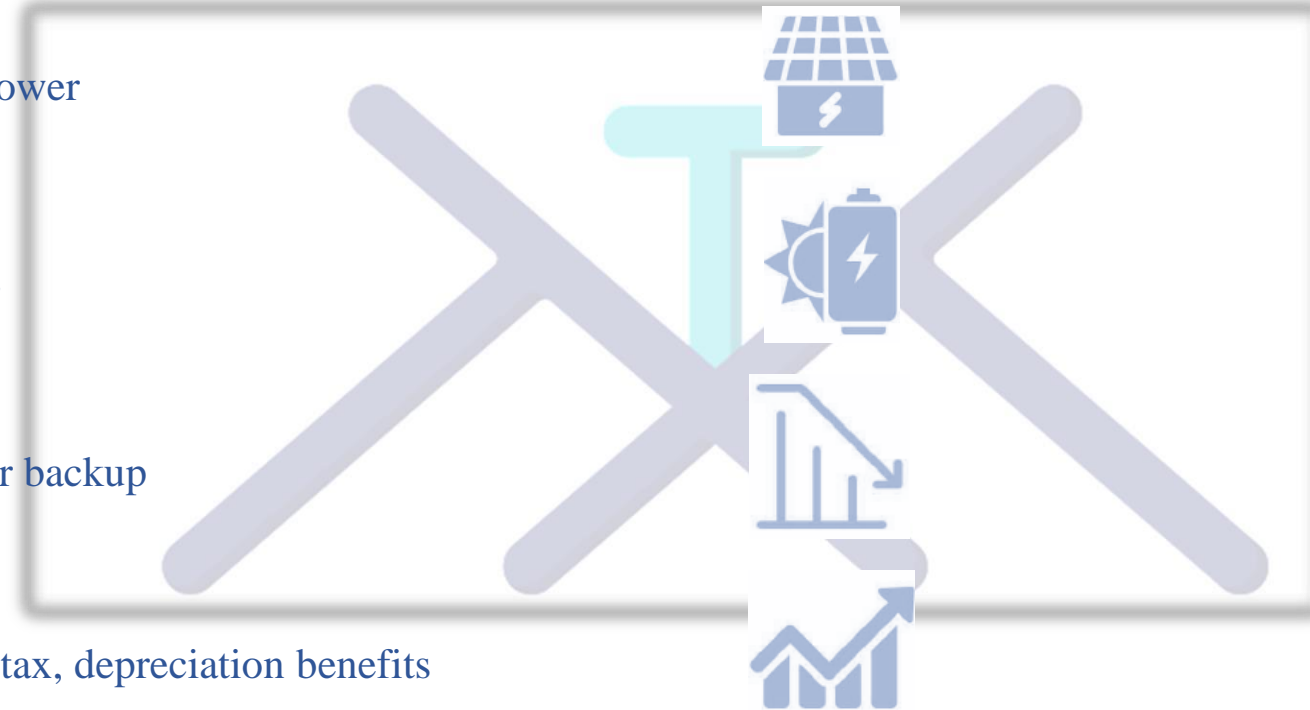
- ✓ Reduce or eliminate dependence on diesel or other fuels for backup

- **Short Payback & Tax Benefits**

- ✓ Recover cost of investment within a short time and realize tax, depreciation benefits

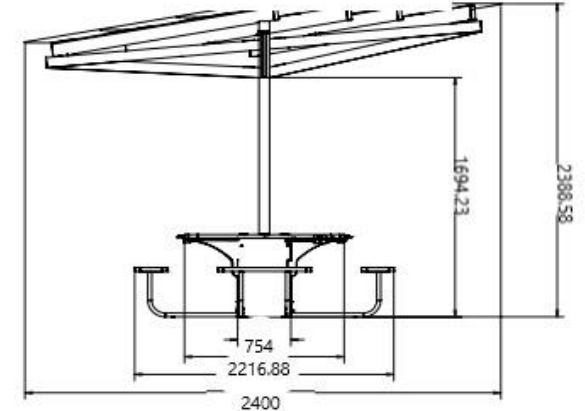
- ✓ Hybrid Inverter with Battery Back-up

- ✓ Compatibility to connect Grid System



TECHNICAL DETAILS

- Solar capacity: 1.2kVA
- Nominal battery capacity: 1400Wh (12V, 150Ah)
- Allowable depth of discharge: Adjustable(20% to 50%)
- Maximum continuous load (@77°F): 500W
- Structures are powder coated and available in unlimited colors



TECHNICAL SPECIFICATIONS

Technical Equipments which are installed in Gazebo are

Solar Panels



Inverter



Dry Battery



Wireless Dock



Sockets



PROPOSED DESIGN



ORIGINAL PICTURE

AT CLIENT SITE(DAY VIEW)



ORIGINAL PICTURE

AT CLIENT SITE(NIGHT VIEW)



ORIGINAL PICTURE

AT CLIENT SITE



ORIGINAL PICTURE

AT CLIENT SITE

