

COMMERCIAL SOLAR PV

ENERGY SOLUTIONS



PHOTOVOLTAIC PANELS, GENERATORS, BATTERY BACKUP, HYBRID SYSTEMS, ENERGY METERING

APPLICATIONS:

ROOFTOPS, CAR PORTS, FREE-STANDING STRUCTURES,
RANGE FROM 10kW TO 300kW

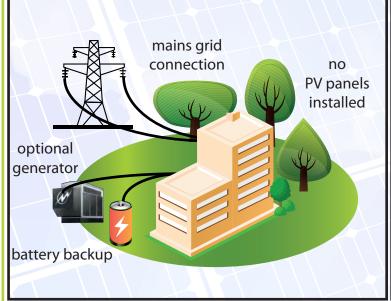
BENEFITS:

PROTECTION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, ELECTRICITY COST SAVINGS, CONTINUOUS POWER DURING LOAD-SHEDDING VALUE ADD:

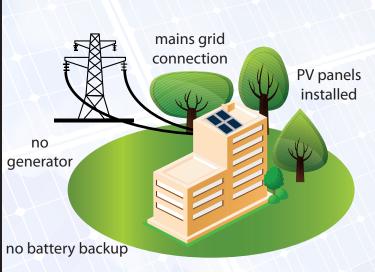
ENGINEERING SIGN-OFF, ELECTRICAL CERTIFICATE OF COMPLIANCE (COC), LOAD MANAGAMENT & AUTOMATIC SWITCHING ,ONLINE MONITORING AND DATA LOGGING.

OPTIONS:

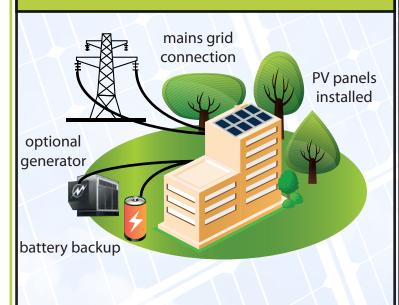
GRID BACKUP



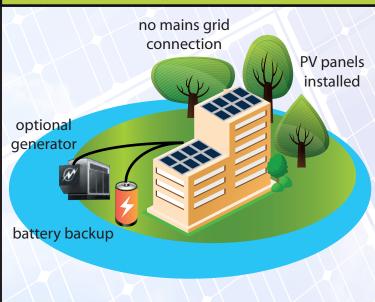
GRID-TIE



GRID-INTERACTIVE



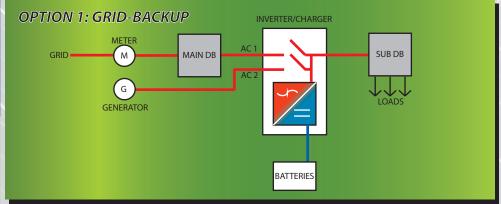
OFF-GRID





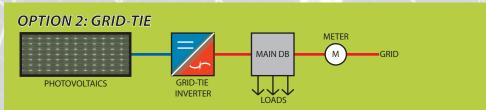
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DESCRIPTION OF OPTIONS:



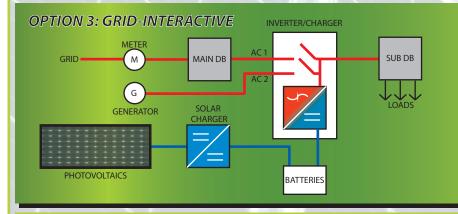
OPTION 1: GRID BACKUP --> BENEFITS

- 1. SECURITY FROM GRID OUTAGE WITH RELIABLE BATTERY BACKUP AND SEAMLESS SWITCHOVER (REDUCE IMPACT OF LOAD-SHEDDING).
- 2. INTEGRATE DIESEL GENERATOR FOR LONGER AUTONOMY.
- 3. NO PV PANELS.
- 4. POWERFULL LOAD STARTING CAPABILITIES OF INVERTER.



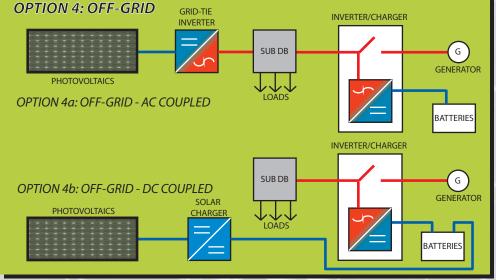
OPTION 2: GRID TIE --> BENEFITS

- 1. REDUCE ELECTRICITY BILL.
- 2. NO BATTERIES
- 3. MINIMAL INDOOR SPACE REQUIREMENTS.



OPTION 3: GRID INTERACTIVE --> BENEFITS

- 1. REDUCE ELECTRICITY BILL.
- 2. PRIORITIZE CONSUMPTION OF SOLAR POWER.
- 3. SECURITY FROM GRID OUTAGE WITH RELIABLE BATTERY BACKUP AND SEAMLESS SWITCHOVER (REDUCE IMPACT OF LOAD-SHEDDING).
- POWERFULL LOAD STARTING CAPABILITIES OF INVERTER.
- 7. INTEGRATE DIESEL GENERATOR FOR LONGER AUTONOMY.



OPTION 4: OFF-GRID -> BENEFITS

- 1. NO ELECTRICITY BILL.
- 2. INDEPENDENT FROM EXTERNAL ENERGY SUPPLIES.
- 3. POWERFULL LOAD STARTING CAPABILITIES OF INVERTER.
- 4. AC COUPLING WHEN PV ARRAY FAR FROM BATTERY BANK.
- 5. OPTION TO INTEGRATE DIESEL GENERATOR.

Energy Insight provides the total solution for sizes ranging from **10kW to 300kW**, from site measurement and assessment, designs and simulations (Cost and Space Optimization, shading analysis, etc.), proposals (including ROI), supply and installation.

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