

SOLAR COLD STORAGE 2017





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ट्रेडिंग: # ऑटो एक्सपो # बीसीसीआई # सूरजकुंड मेला # MCD हड़ताल # इंडियन नेवी # जीका वायरस

समाचार राज्य क्रिकेट मनोरंजन टेकज्ञान बिजनेस अध्यात्म स्वास्थ्य लाइफस्टाइल फोटो-वीडियो ऑटो एक्सपो ज्यादा पठित ताज़ा खबर

स्वास्थ्य गरमा गरम Deals Book Print Ad Govt. Jobs Online Radio Coupons **BOL INDIA BOL**

उत्तर प्रदेश कानपुर लखनऊ मेरठ अग्रा इलाहाबाद

आज का मुद्दा **बीसीसीआई में पारदर्शिता लाने के लिए लागू हो जस्टिस लोढ़ा कमेटी की सिफारिशें: कोर्ट** **सुप्रीम कोर्ट के इस आदेश को मानने के लिए कितनी तैयार है बीसीसीआई?** **BOL INDIA BOL**

प्रदेश का पहला सौर ऊर्जा आधारित शीतगृह स्थापित

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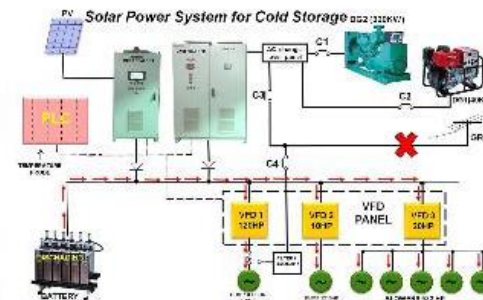
इटावा, जागरण संवाददाता: इटावा में सौर ऊर्जा आधारित प्रदेश का पहला शीतगृह स्थापित हो चुका है। श्री कोल्ड स्टोरेज पक्का बाग द्वारा 150 किलोवाट क्षमता का सोलर मॉड्यूल स्थापित किया है।

वर्ष 1977 में स्थापित हुए श्री कोल्ड स्टोरेज की वर्तमान में क्षमता 10400 मीट्रिक टन है। इस शीतगृह को चलाने के लिए तीन कंप्रेसर हैं जिनका विद्युत भार क्रमशः 150 एचपी, 120 एचपी एवं 100 एचपी है। इस शीतगृह पर 250 किलोवाट का विद्युत भार स्वीकृत है। जिला उद्यान अधिकारी डा. धर्मपाल यादव ने बताया कि एकीकृत बागवानी विकास मिशन द्वारा शीतगृह निर्माण

उच्चोकरण एवं सोलर मॉड्यूल आदि पर अनुदान दिया जाता है। उसी के तहत इस कोल्ड स्टोरेज में सौर ऊर्जा का प्लांट लगाया गया है।

शीतगृह द्वारा सोलर मॉड्यूल लगाने पर प्रतिदिन लगभग 700 यूनिट बिजली की बचत हो रही है। इस प्रकार प्रति माह लगभग रुपये 1.50 लाख की बचत हो रही है। इस प्रकार की विद्युत उत्पादन से शीतगृह जैसे बड़े संयंत्र चल सकते हैं जोकि बहुत ही लाभदायक उपाय है। ऐसे क्षेत्र जहां विद्युत आपूर्ति कम रहती है, वहां के लिए सोलर आधारित विद्युत वरदान है। वर्तमान में प्रतिदिन 7 घंटे 150 किलोवाट के प्रेशर सौर ऊर्जा से संचालित हैं तथा दो घंटे के लिए 250 सेल बैटरी का बैकअप है।

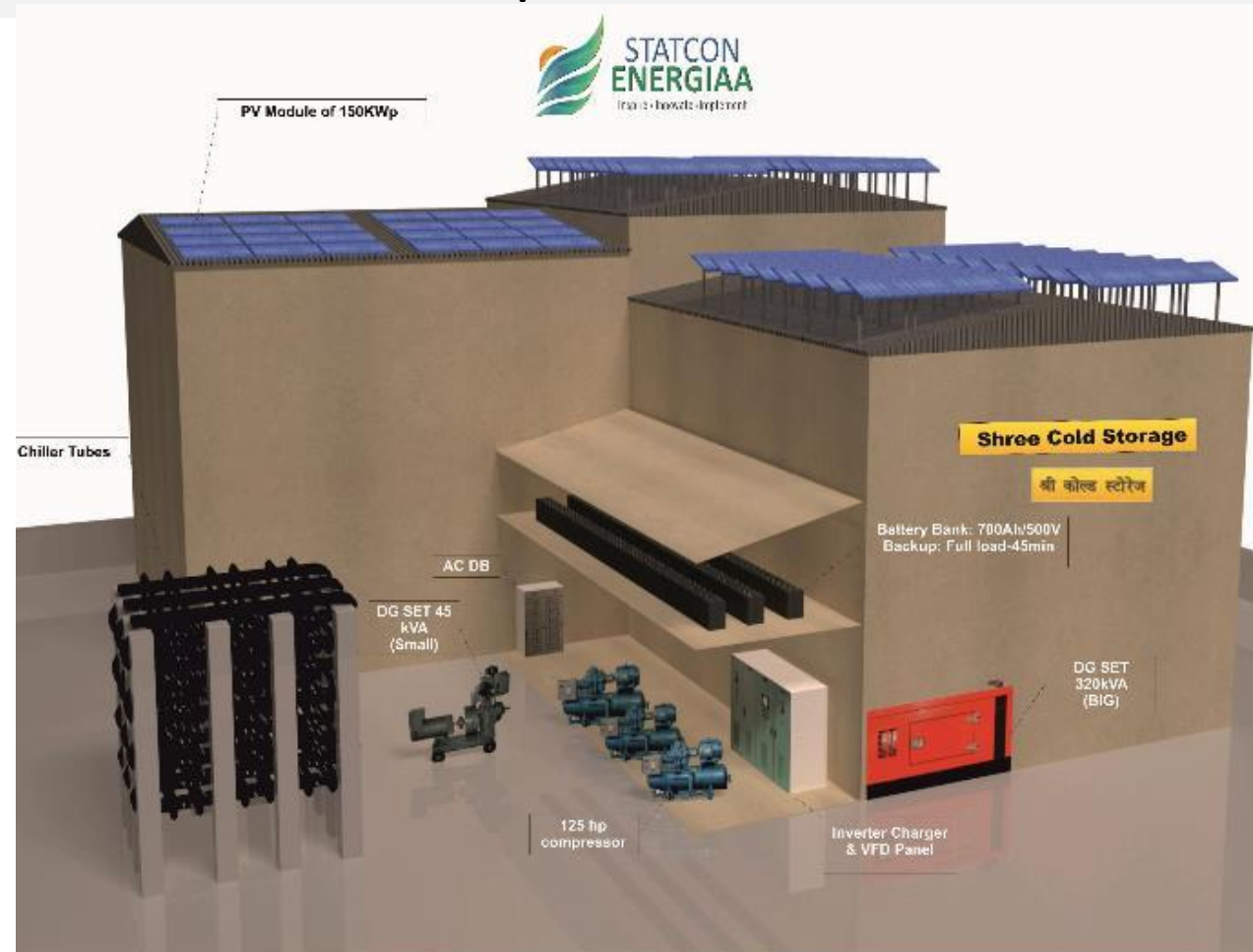
इस संयंत्र के निरीक्षण हेतु कृषि मंत्रालय भारत सरकार की टीम ने दिनांक 2 सितंबर को मौके पर निरीक्षण किया। प्रभात सक्सेना, मुख्य सलाहकार राष्ट्रीय बागवानी मिशन भारत सरकार तथा वंशज कोल विशेषज्ञ एनसीसीडी भारत सरकार ने मौके पर आकर इस परियोजना का खारीकी से विश्लेषण किया।



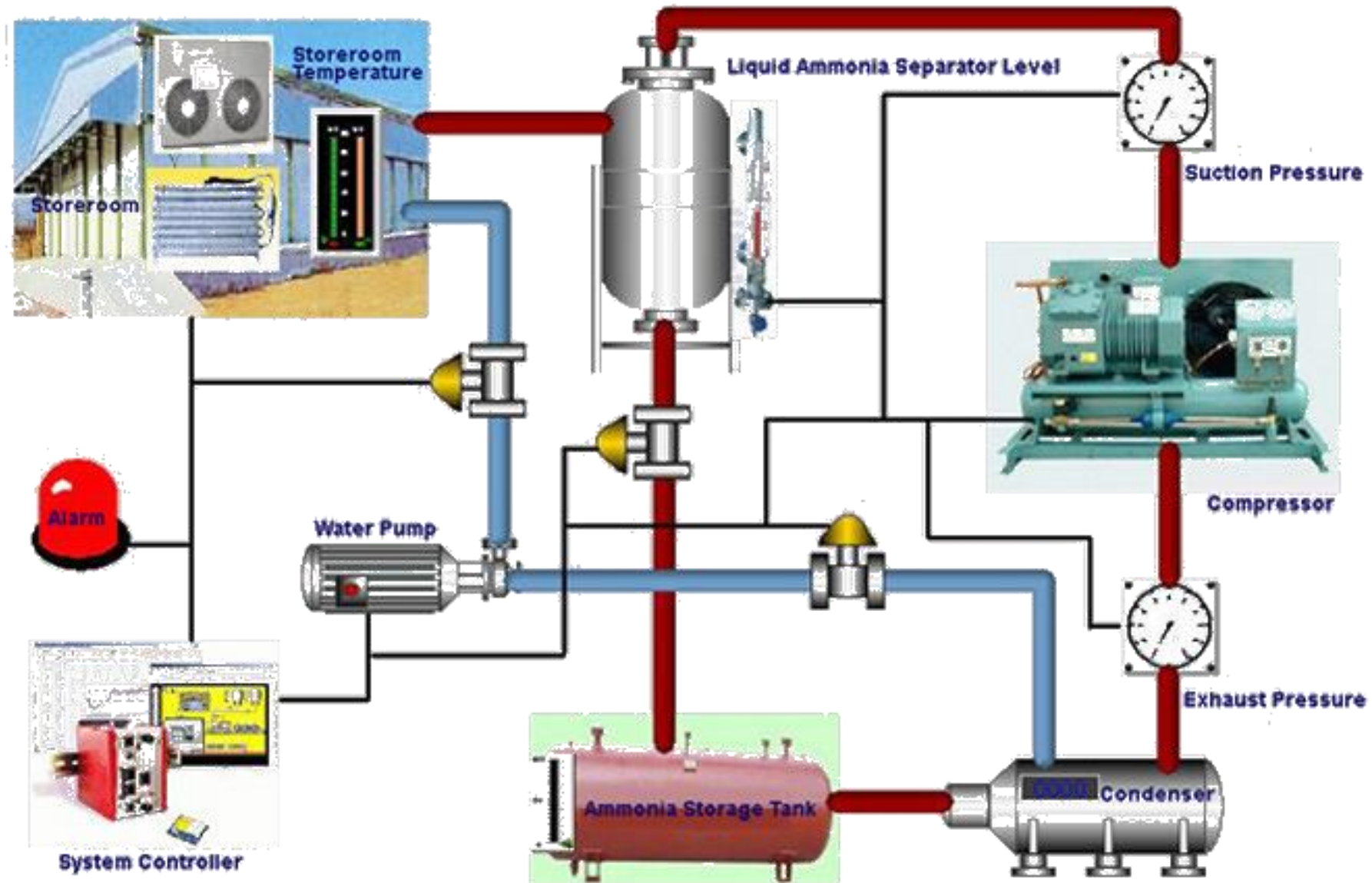
Coverage Of The Study By **National Horticulture Mission** And **Ministry Of Agriculture** At Shree Cold Storage Etawah running on Hybrid Solar System installed by **STATCON**
Dainik Jagaran

WHAT IS A COLD STORAGE ?

Universal definition of a cold storage is “– the state of being kept in cold place for a later use...” OR
“the keeping of something ; foods or pharmaceuticals in a refrigerator or other cold place for preservation”



BASIC ELEMENTS OF A COLD STORAGE



TYPES OF A COLD STORAGE

Presently, the State's cold storages can be categorized as:

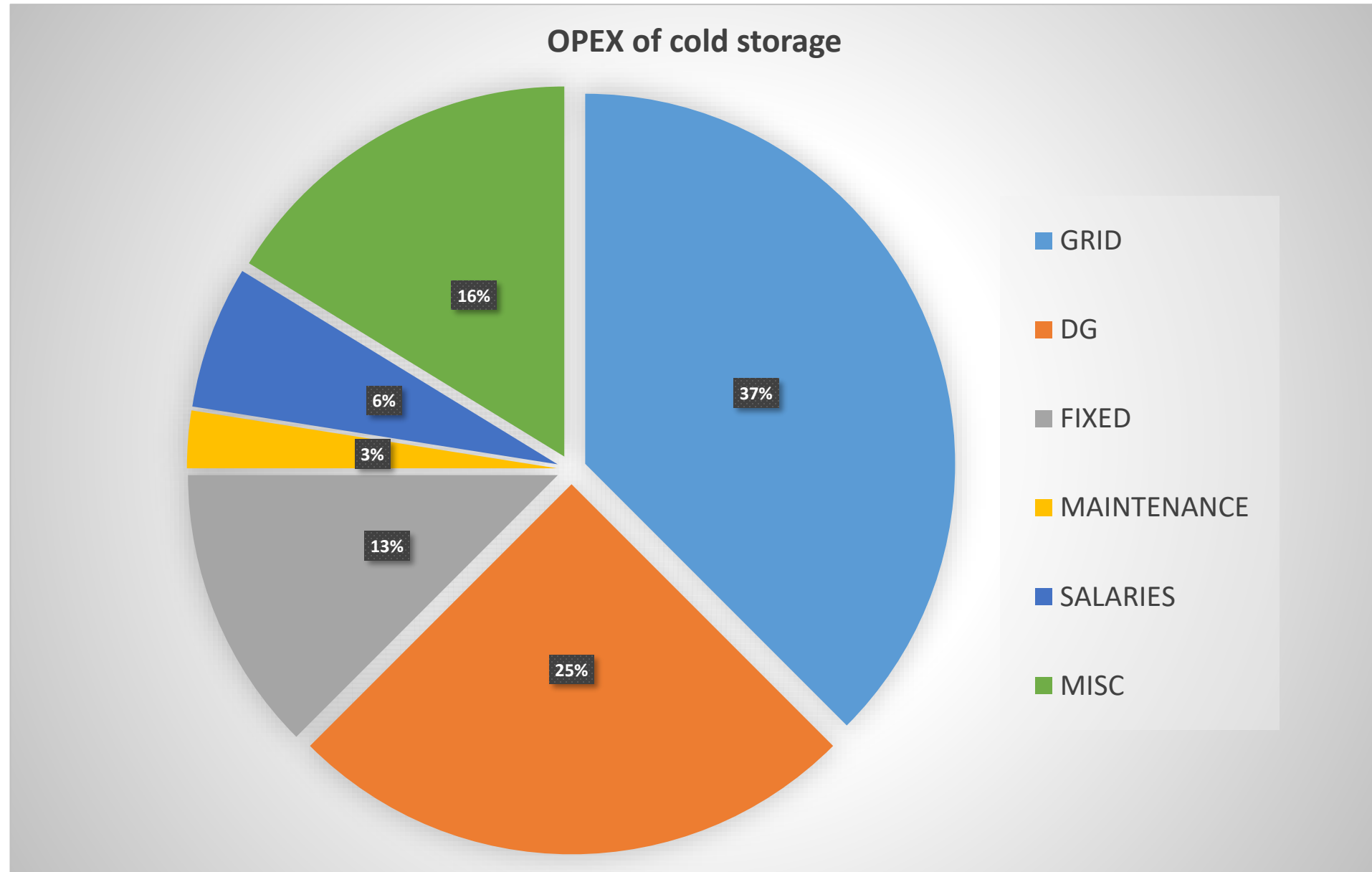
Cold Storage in A-Class cities with 24 hours assured Grid supply with no interrupted **15%**

Cold Storage in B-Class cities with 16-17 hrs assured Grid Supply with 4-5 interruptions daily **60%**

Cold Storage in C-Class cities with 10-12 hrs assured Grid supply with 10-12 interruptions daily **25%**



OPERATING EXPENSE OF COLD STORAGE



OPERATING EXPENSES OF A COLD STORAGE:

Cost of electricity of a cold storage includes :

- Through Grid: 30 %
- Through Diesel Genset: 20%
- Min. electricity charges + administrative charge on grid connection: 10%
- DG Set Maintenance: 02%
- Salaries and wages: 05%
- Other Misc. running expenses: 13%

Thus the cost of electricity contributes to 62 % of the total operating cost of a Cold Storage

Normal working details of a cold storage

- Normal running months in a year =: **9 months**
- Daily average running hours
 - On Grid: **12 hours**
 - On DG : **6 hours**
- Average cost per unit
 - through Grid:
 - ₹ 8.50 per unit (TOD: 6 AM to 5PM)**
 - ₹ 9.80 per unit (TOD: 5PM to 10PM)**
 - ₹ 7.86 per unit (TOD: 10PM to 6AM)**
 - through DG : **₹ 33.00 per unit (considering maintenance cost, poor PLF etc.)**

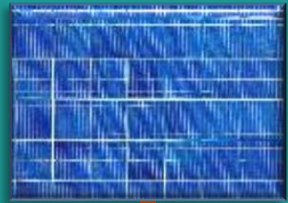
Electricity accounts for over 62 % of the operating cost and decides the profitability. Presently, the majority of cold storages depend upon the supply of this electricity through grid supply from State Electricity distribution company or the utilities and the diesel generator sets or DG SETS.

These are in addition to the many fixed charges , surcharges, taxes and duties.

The rates of electricity may change with time and are likely to go up only.

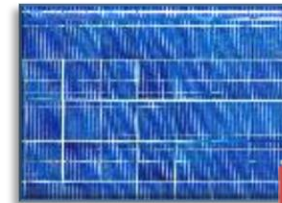
TWO KINDS OF SOLAR SYSTEMS
FOR COLD STORAGE:

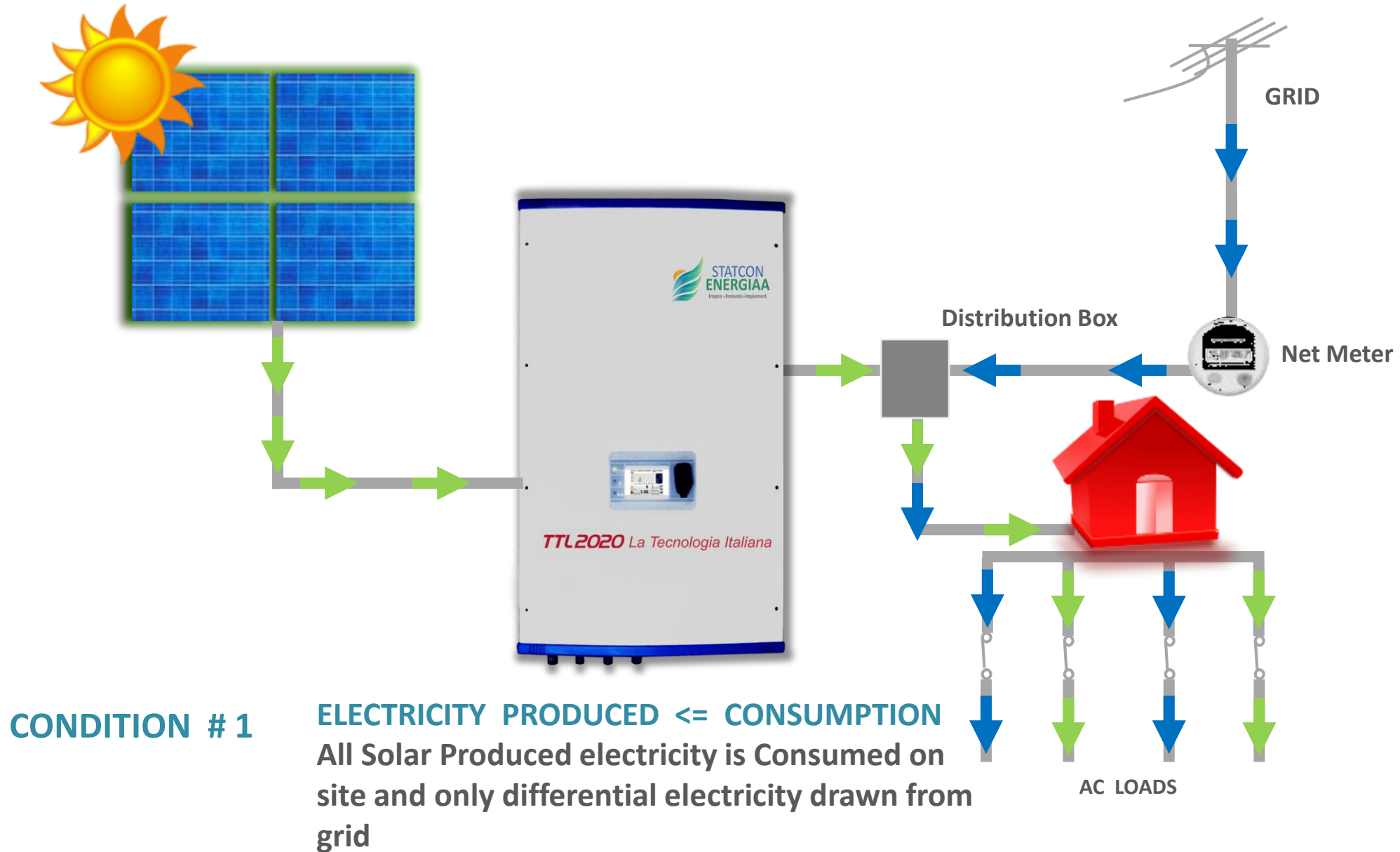
PURE GRID TIE AND BATTERY
BASED HYBRID SYSTEM

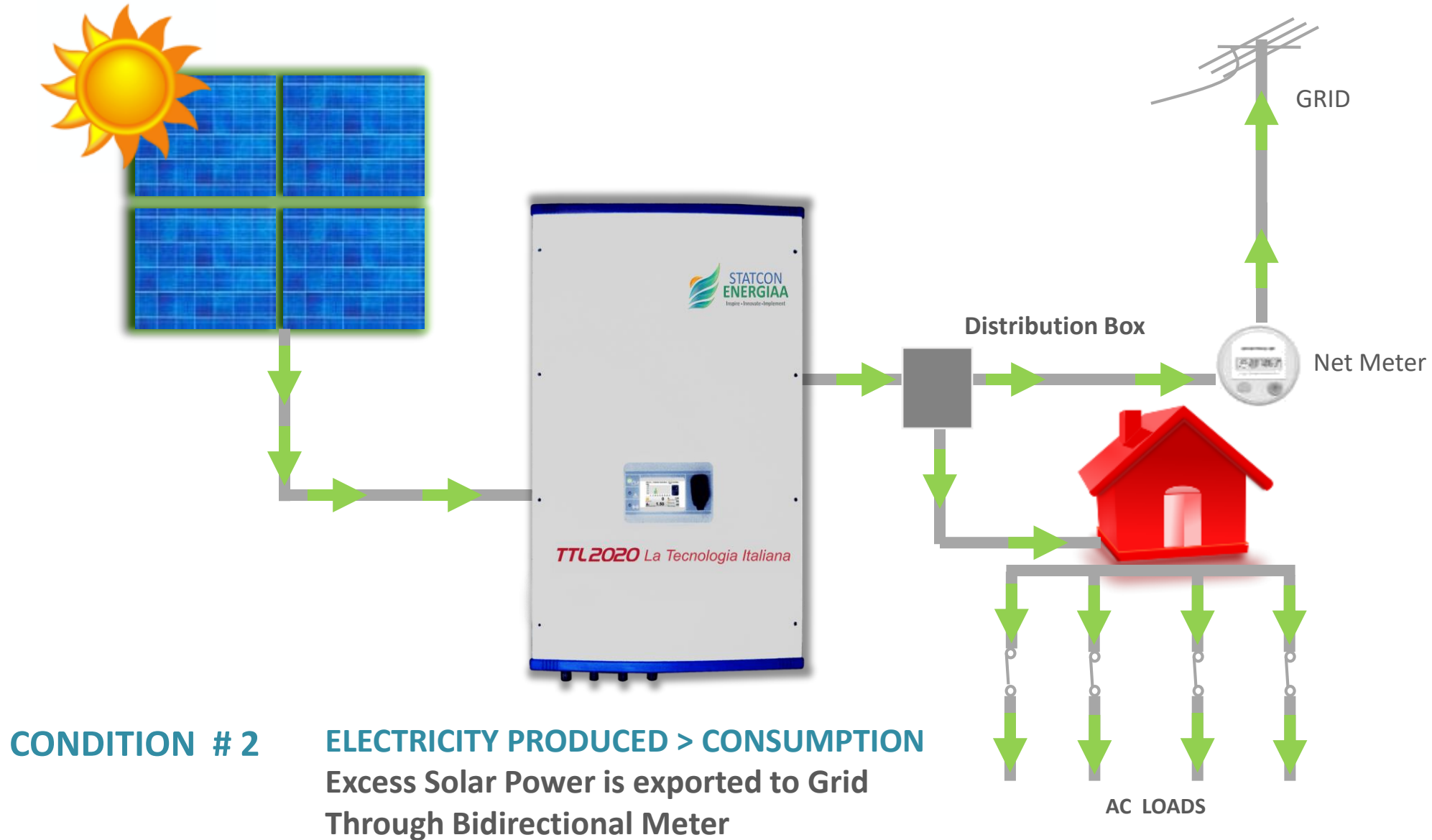


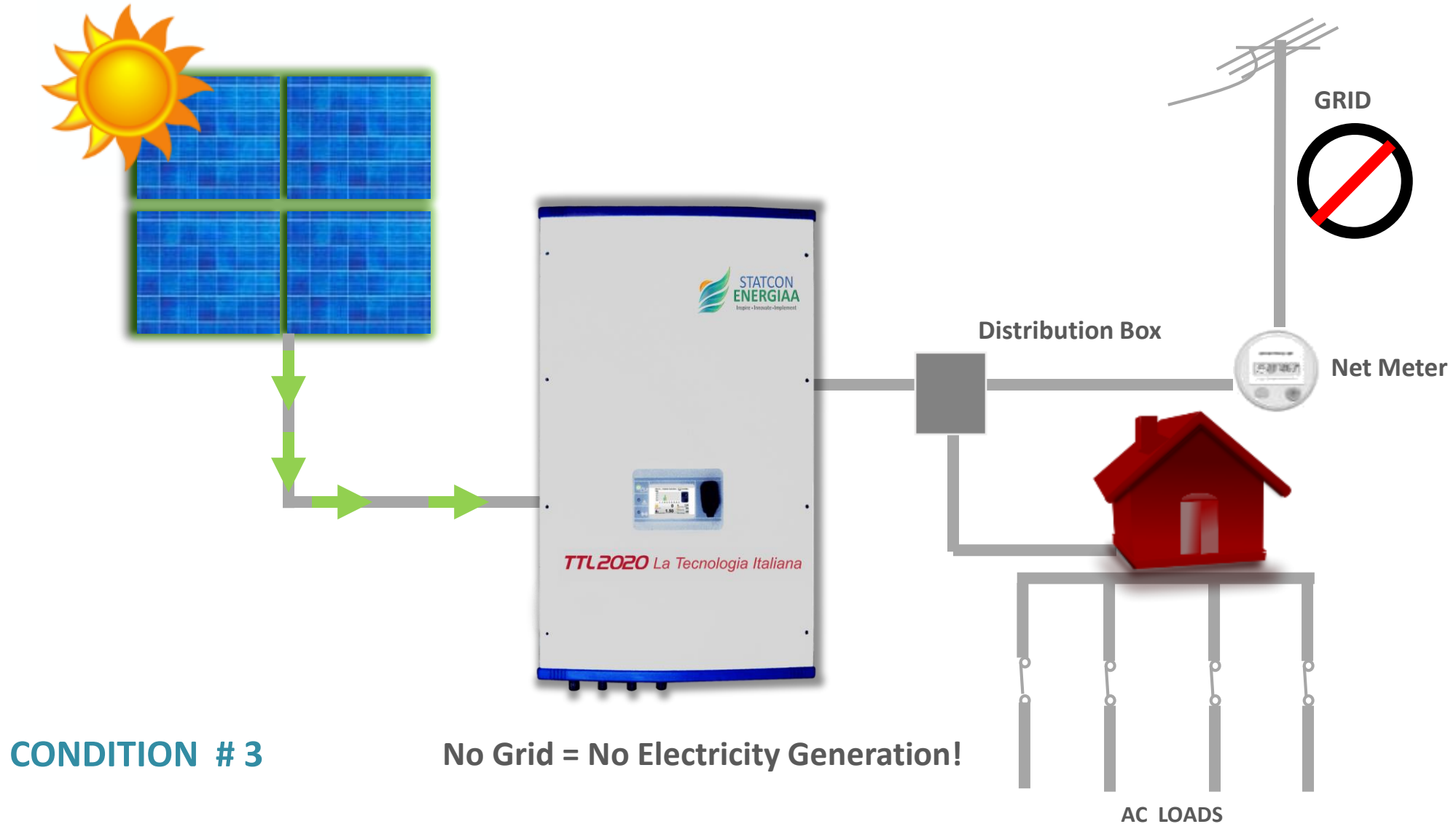
PURE GRID TIE SYSTEM

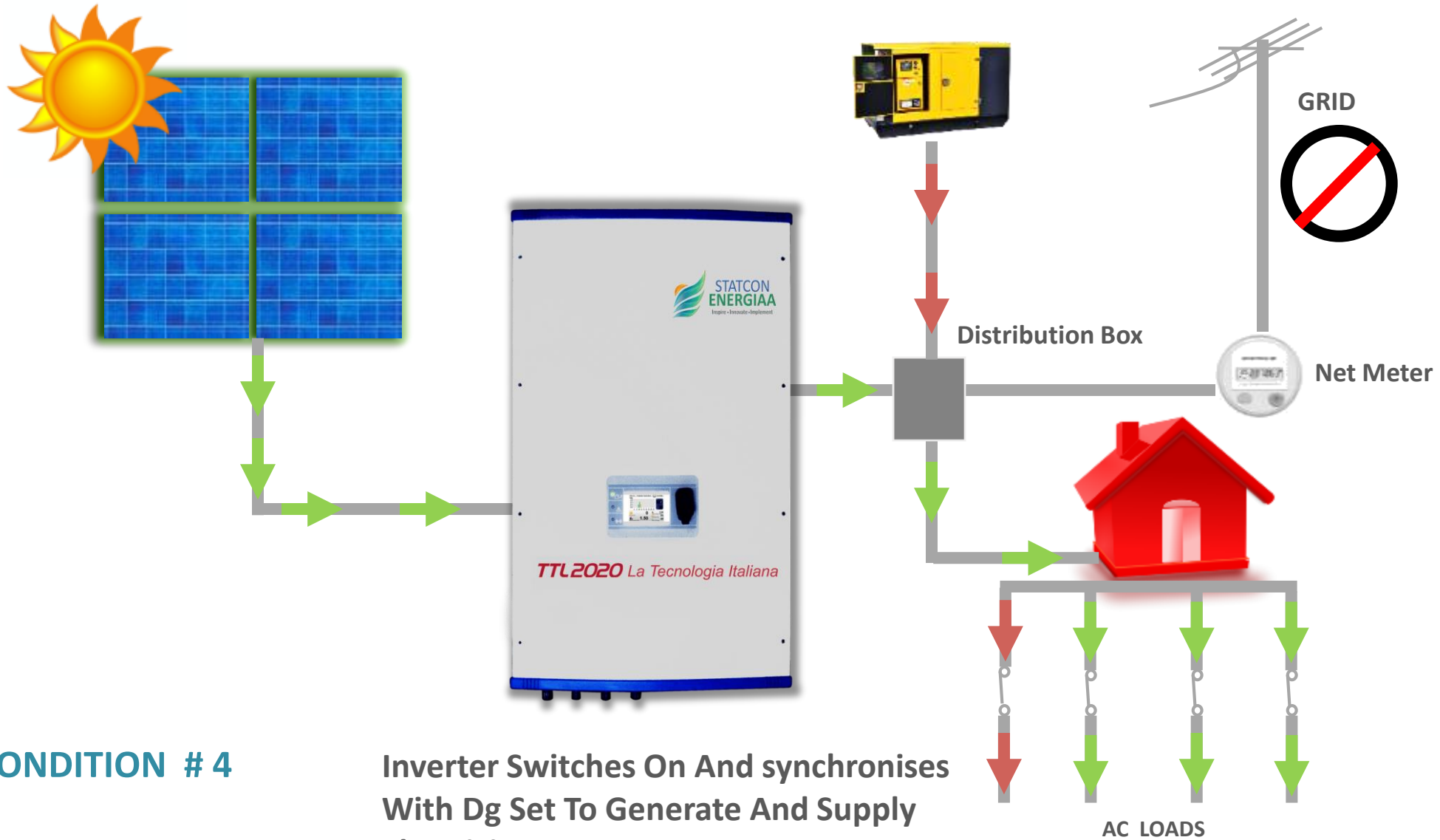
HYBRID SYSTEM
(ON GRID+ BATTERY)





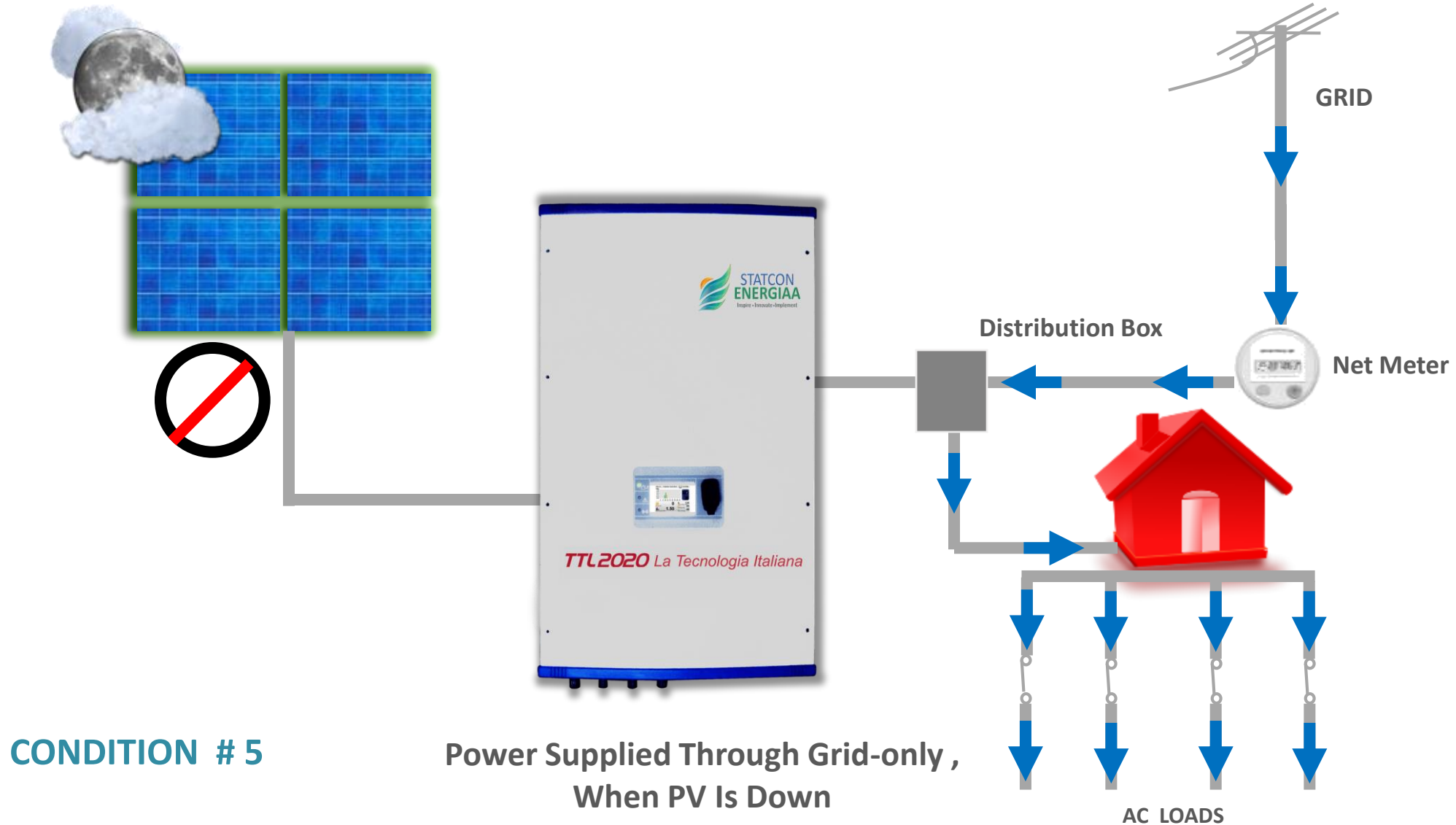


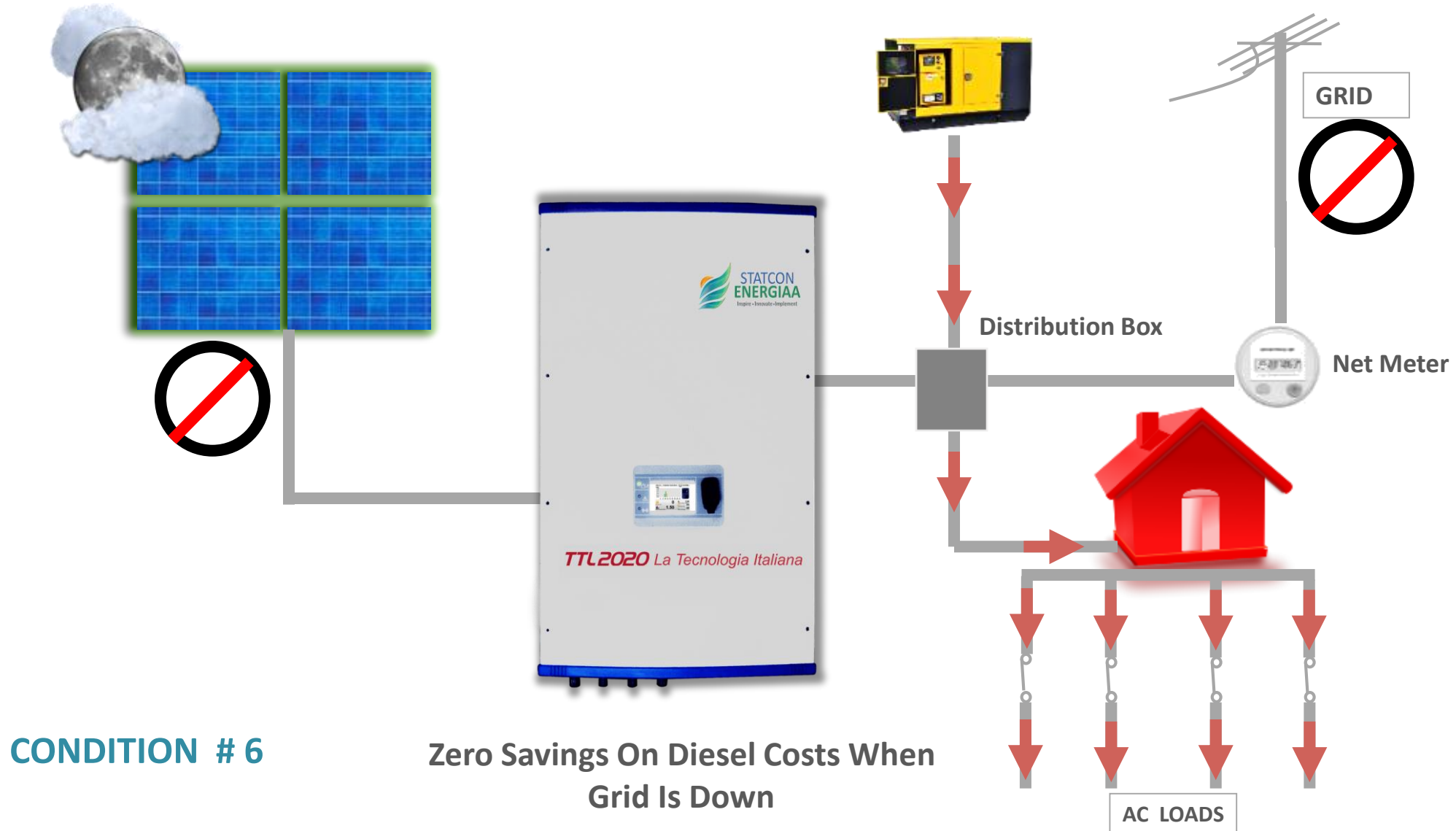




CONDITION # 4

**Inverter Switches On And synchronises
With Dg Set To Generate And Supply
Electricity**





1. Saves more money with net metering

- a) Better efficiency rates
- b) Lower equipment installation costs
- c) No investment for purchase and maintenance of costly batteries
- d) With NET METERING, consumer can put this excess electricity onto the utility grid instead of storing it in batteries.
- e) Total life is 20-25 Years

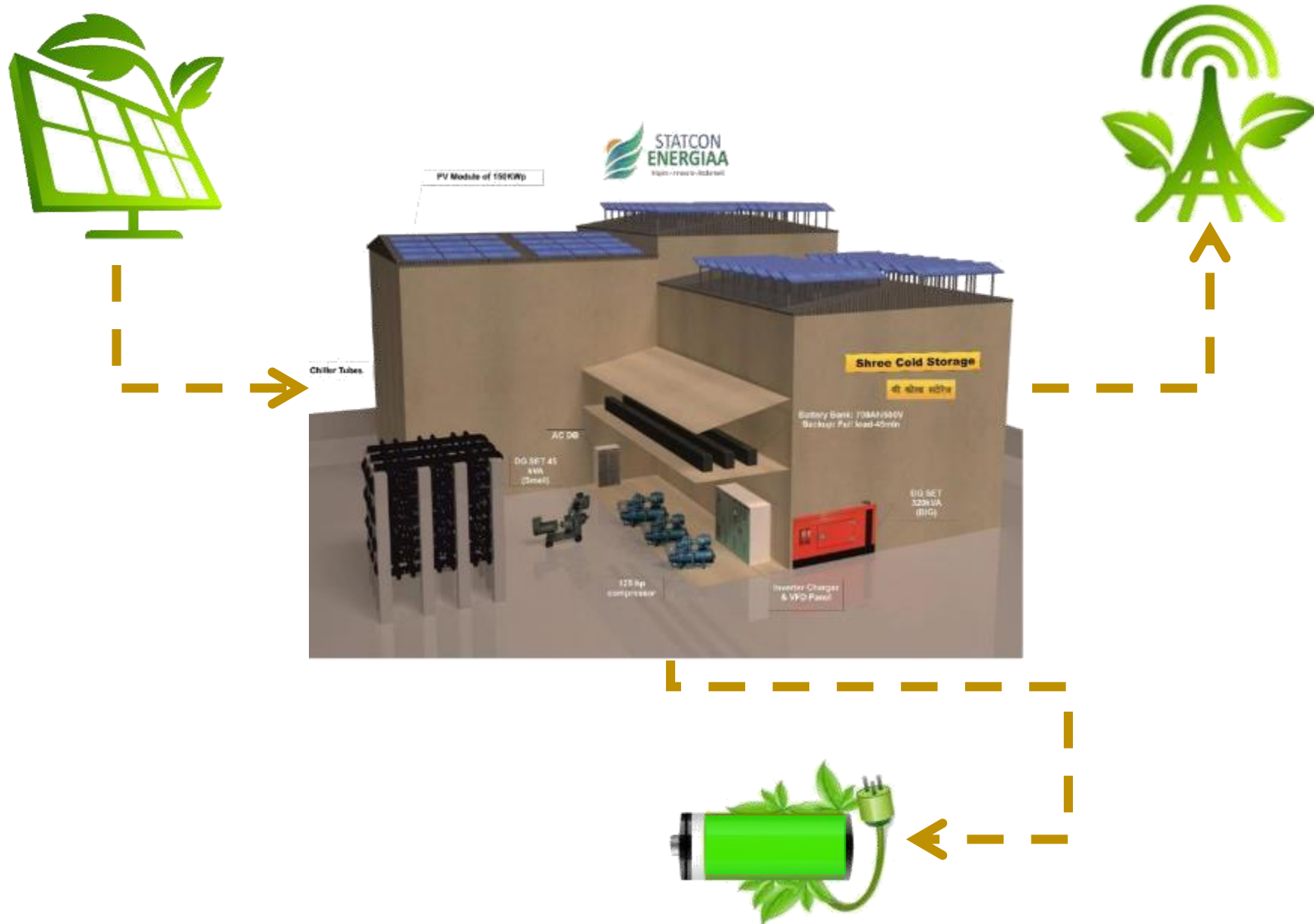
2. The utility grid is a virtual battery

- a) The electric power grid is in many ways also a battery, without the need for maintenance or replacements, and with much better efficiency rates.

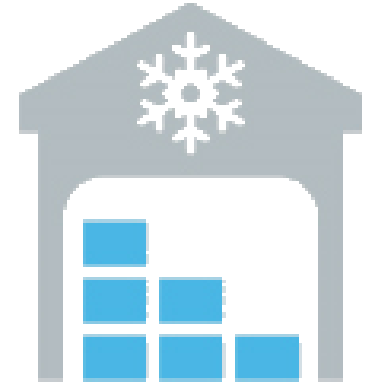


- 1. Inverter Shuts down when grid is out:** This occurs due to anti-islanding feature of all grid tied inverters. In a power deficient country like India where the Grid is unreliable and power outages are frequent, Grid-Tie Inverter will not work to give electricity even when the sun is shining.
- 2. Cannot Guarantee 24x7 Electricity:** As there is no storage, it can only be useful during the daytime and the consumer will be powerless during a brownout if there is no DG Set.
- 3. NO SAVINGS ON DIESEL:** DG SETS need to be run daily ; same as before , so no savings on diesel costs and pollution too. The *Ammonia valves will also have to handled each time manually* as there is NO provision of guaranteed uninterrupted power.
- 4. Poor DG utilisation:** Running on lesser loads results in carbon buildup and internal glazing within the DG set and greatly reduces its life and performance





1. In India, cold storages are the most important part of the agricultural cold chain ranging about 7300 numbers in total across the country.
2. This is an electricity intensive industry with 60% of the operating expense going into electricity bill and diesel costs alone.
3. Heavy losses in the form of diesel costs occur in areas with fluctuating and unreliable electricity.
4. Cold storages require a sustainable renewable energy based solution which would ensure a sustainable long term solution keeping in mind the future changes in the Electricity grid.
5. Recent success stories have shown that an efficient cold storage results in an increased profit of over 21% for the farmer with none of his produce going to waste.

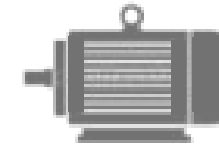
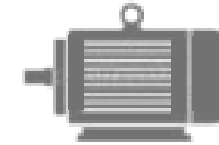


Shri Cold Storage Etawah: site scenario

1. Established in 1977, Shree cold storage has a capacity of 10,400 metric tons at present.
2. Two Compressors are required to run the cold storages whose electrical loads respectively are 120 HP and 10 HP.
3. The cold storage has an approved electrical load of 250KW.
4. Etawah faces a daily power cut in the peak season for around 5 hours.
5. Major issue was that the ammonia level would drop whenever there was a power cut.
6. Huge bills of Diesel, courtesy of two DG sets of 320kVA and 40kVA respectively.
7. The cold storage remains shut down during the three months of off season.

Load Details

MOTOR 1	120 HP
MOTOR 2	10 HP
BLOWER	10HP × 3
LIGHTING LOAD	12 KW
FANS	2 KW



Shri Cold Storage Etawah

1. Statcon Energiaa's project team took it as a challenge to run these heavy motors on storage based Hybrid solar inverter.
2. The Solar cold storage inverter designed is custom built with VFDs to lessen the load on the battery when there is a power cut.
3. A soft start is provided to the motors prolonging the life of the motor as well as the battery.
4. 140KWp of solar is used to the run the cold storage load whereas 10KWp is used for other loads.
5. Uninterrupted power is provided in case of a blackout by the Solar + Battery system. This means no manual rotation of the valves is required when the power goes off.
6. Battery life is increased due to sharing of load requirement with the solar PV.
7. Export excess power being produced in the off season to the grid via net metering

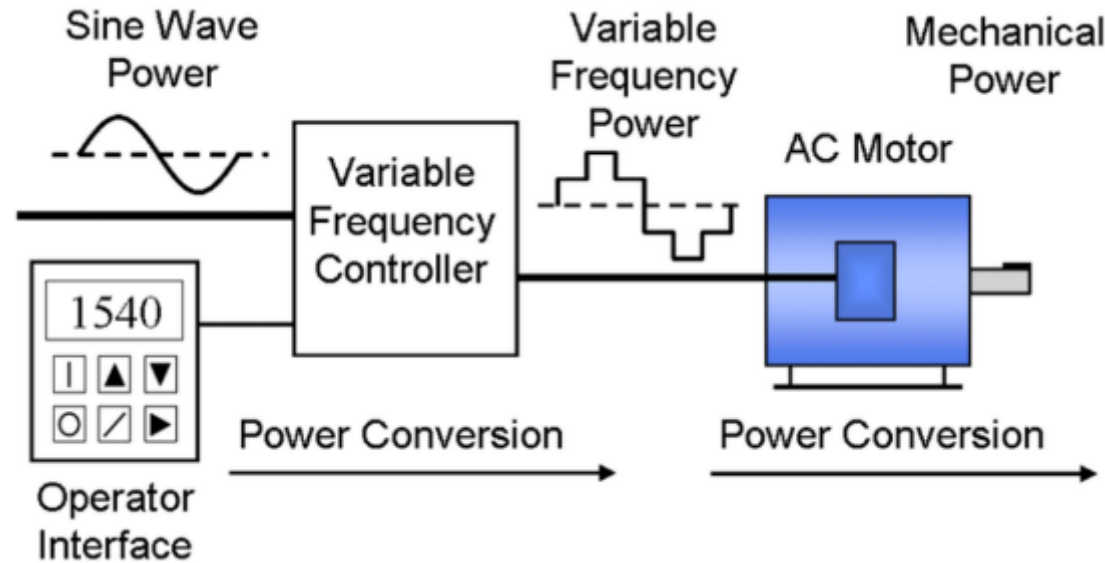


Plant Details

PV Panels	140 + 10 KWp
Hybrid Solar Inverter	140KVA + 25 KVA
Batteries	500V 700Ah
Type of System	Hybrid + VFD
Grid Export	Yes
Uninterrupted Backup	Yes
Manual intervention to stop falling level of ammonia	Not required

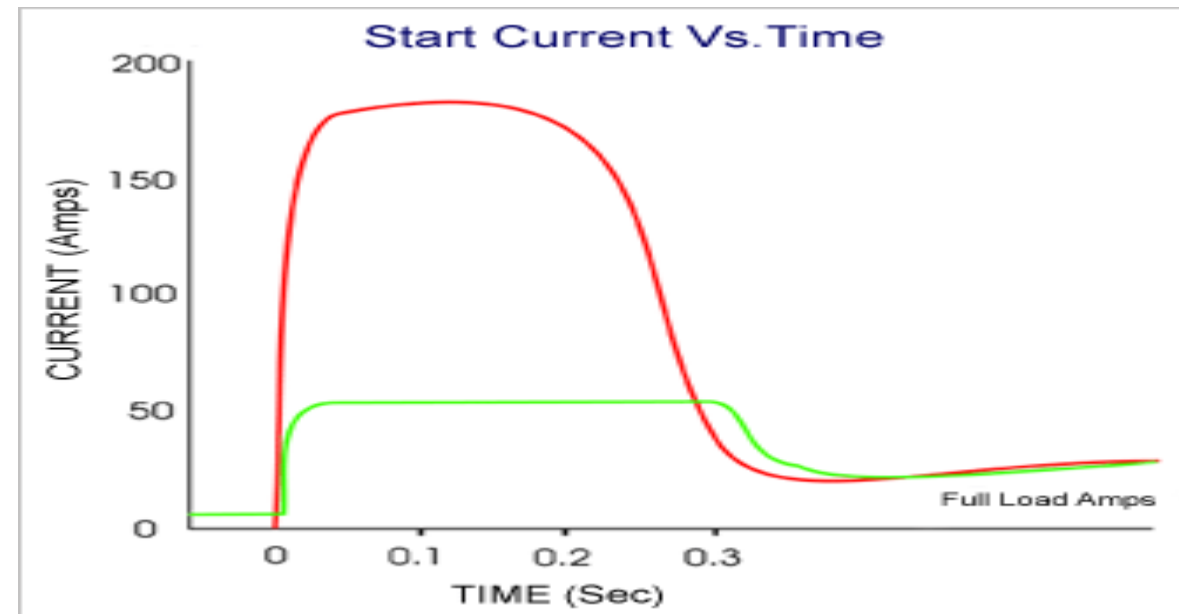
The total expected return on investment is estimated to be at around 3.25 years with annual savings of more than 20 Lakhs on the diesel costs alone

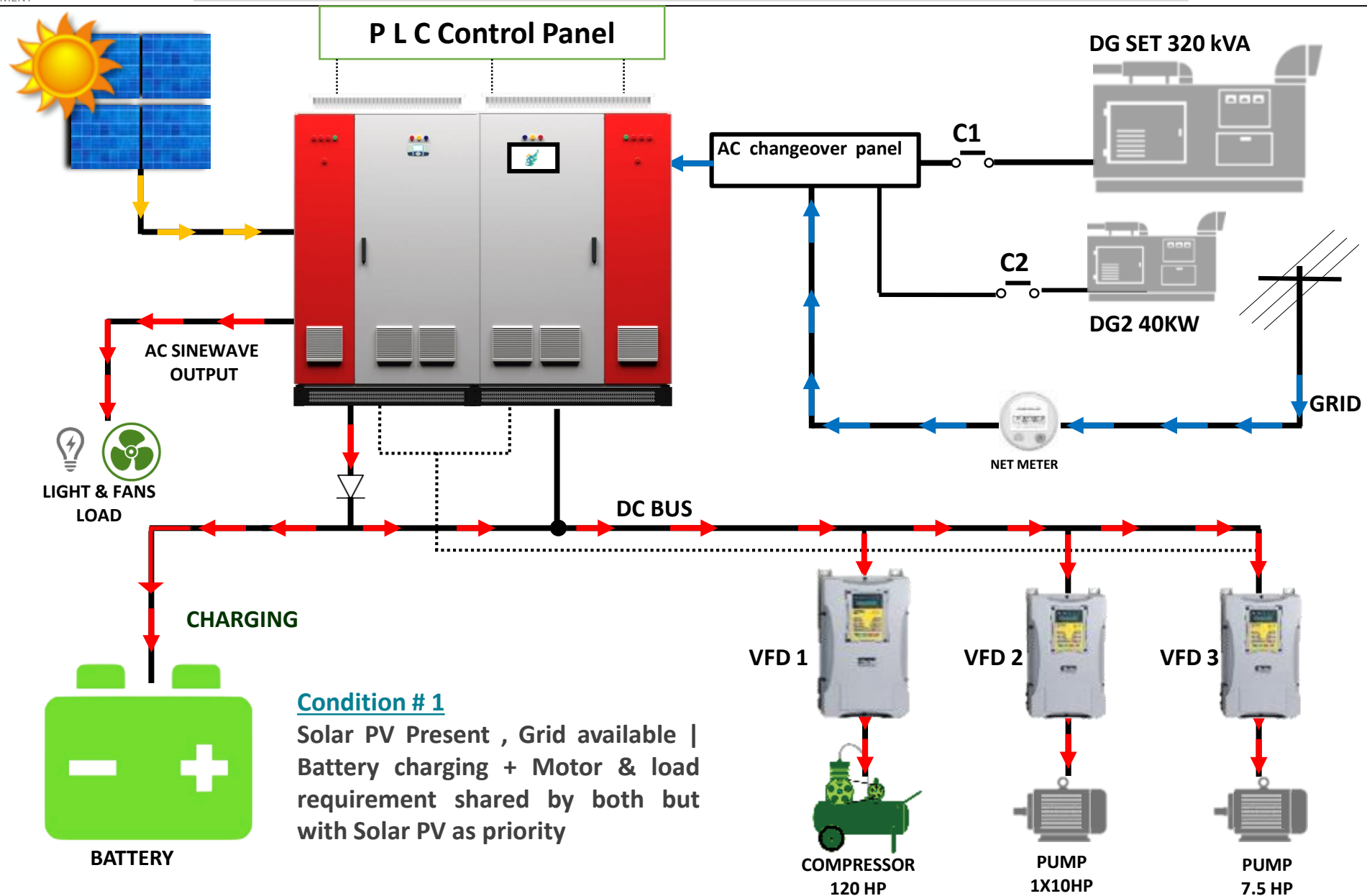


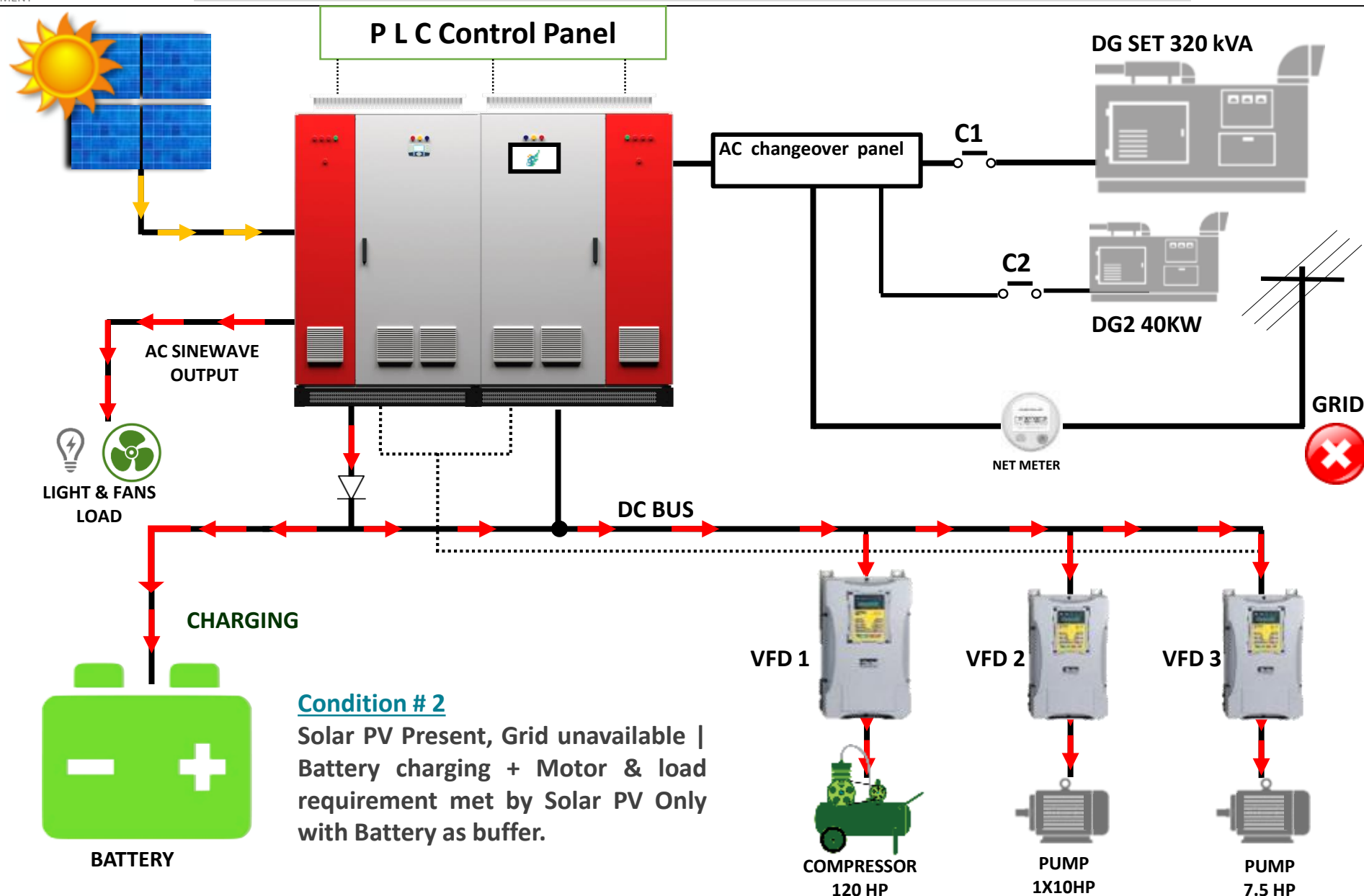


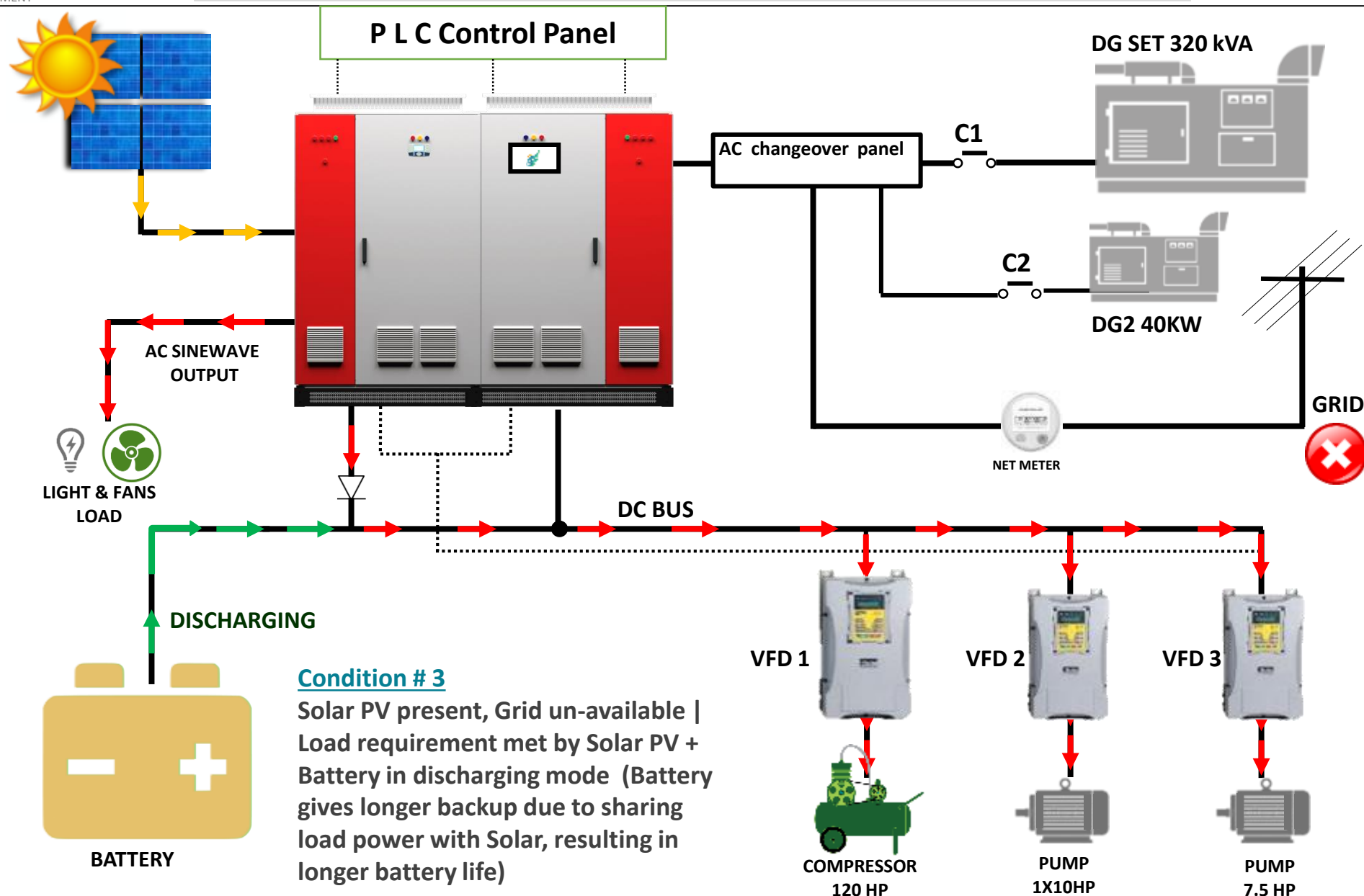
VFD helps in Soft starting as well as speed control of the motors through a sophisticated system of PLC and SCADA

VFD Reduces the sudden current peak of inrush current and enhances motor life while also saving on Grid Fines

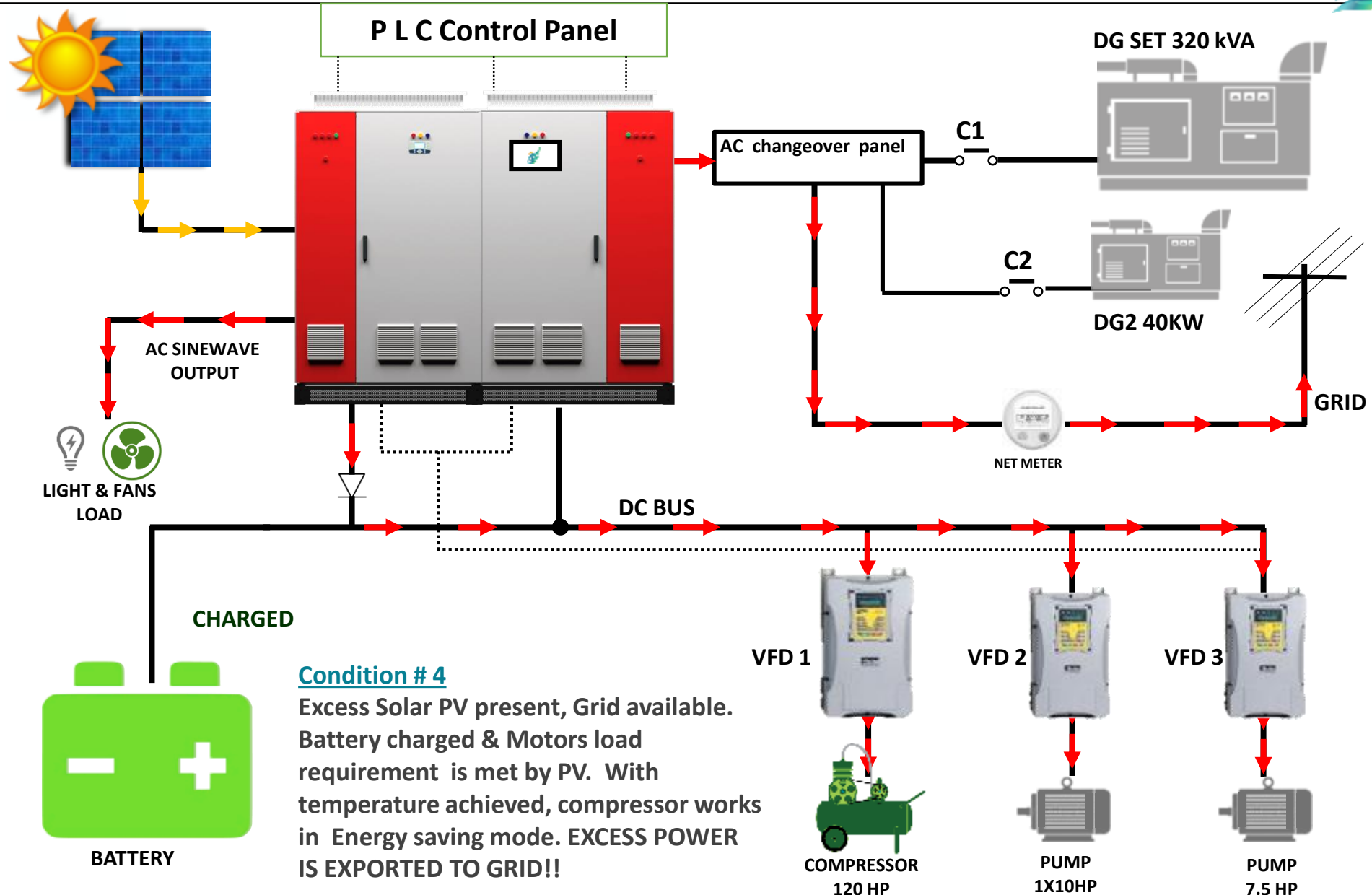


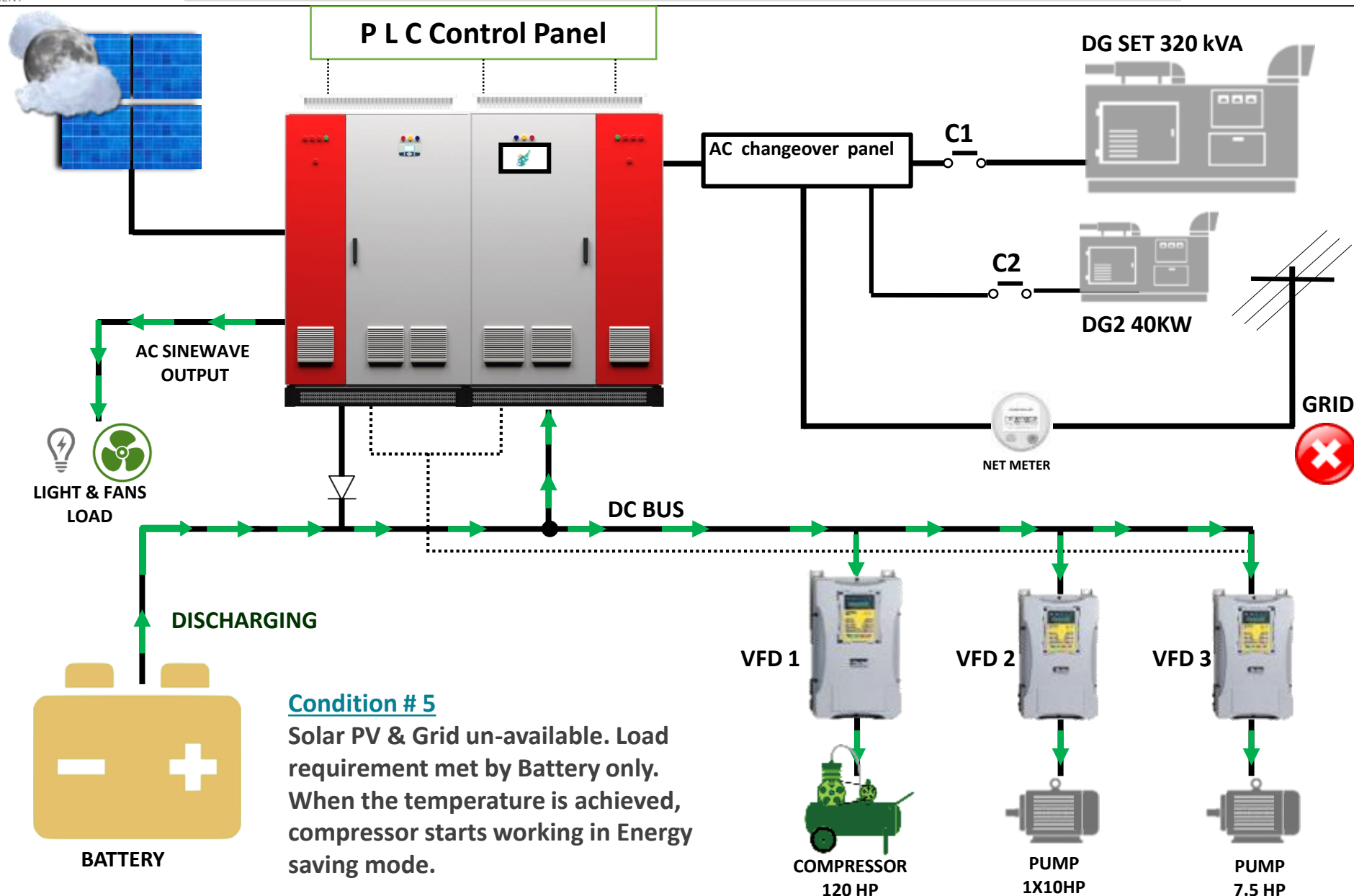


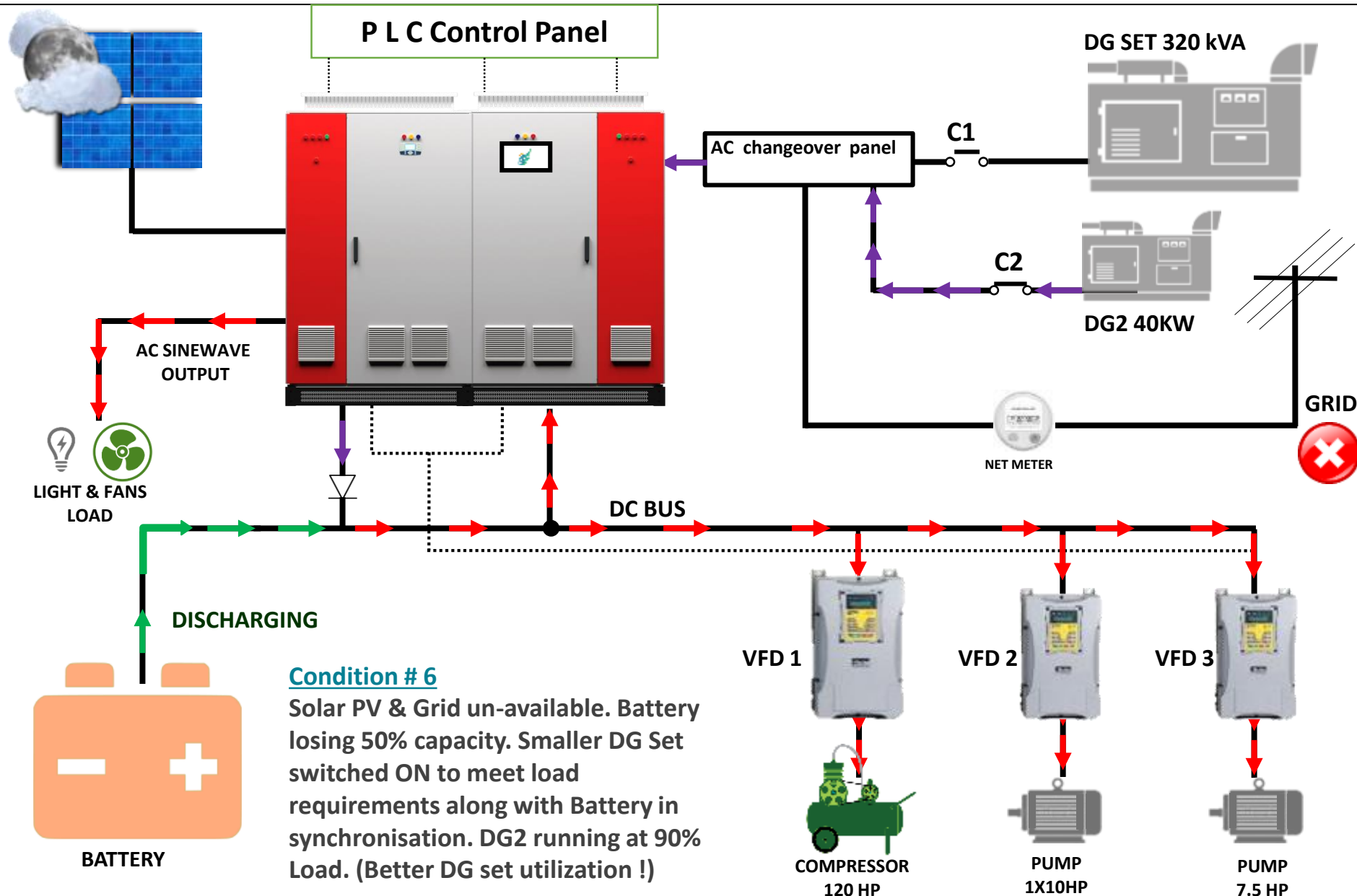


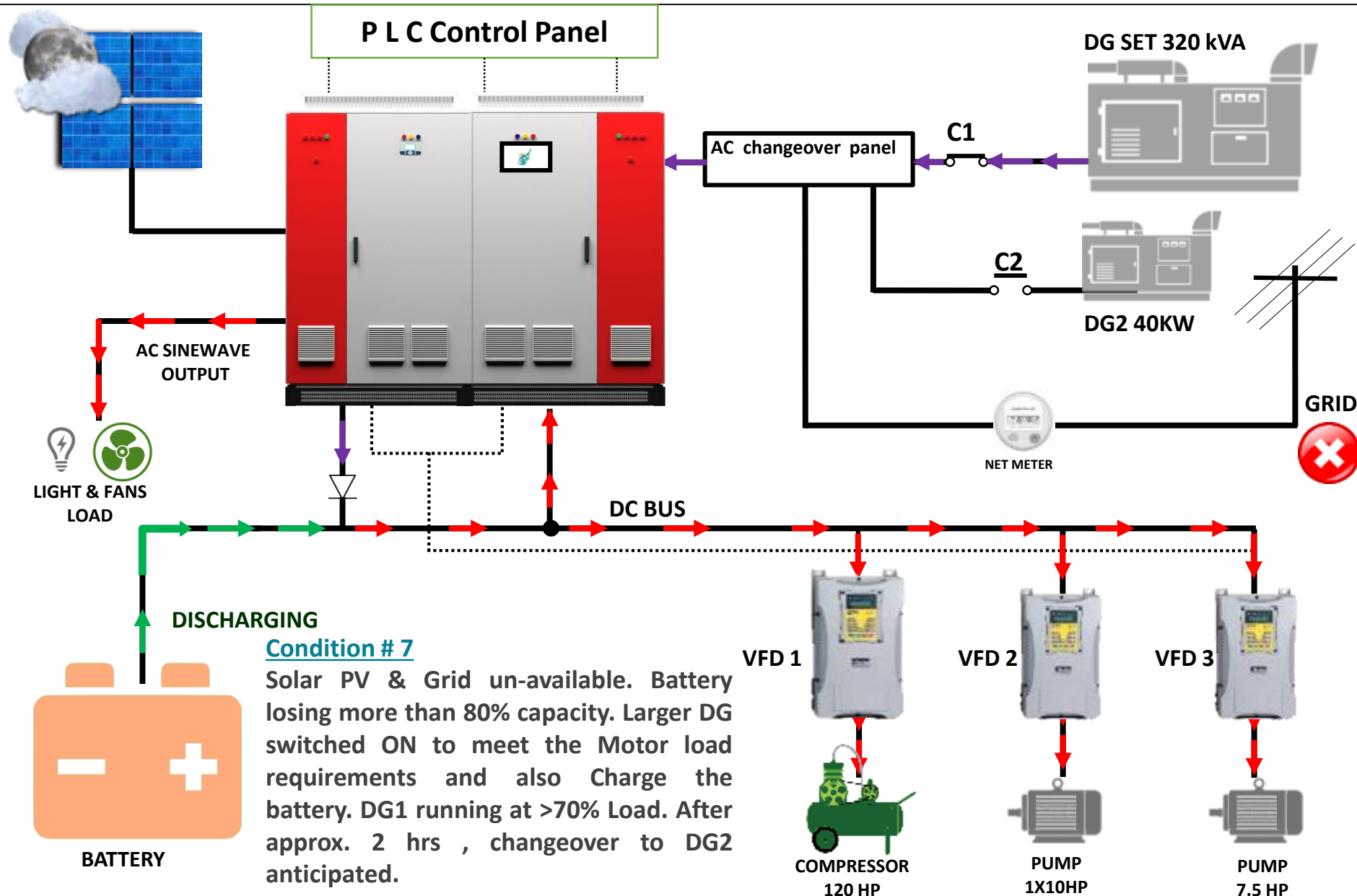


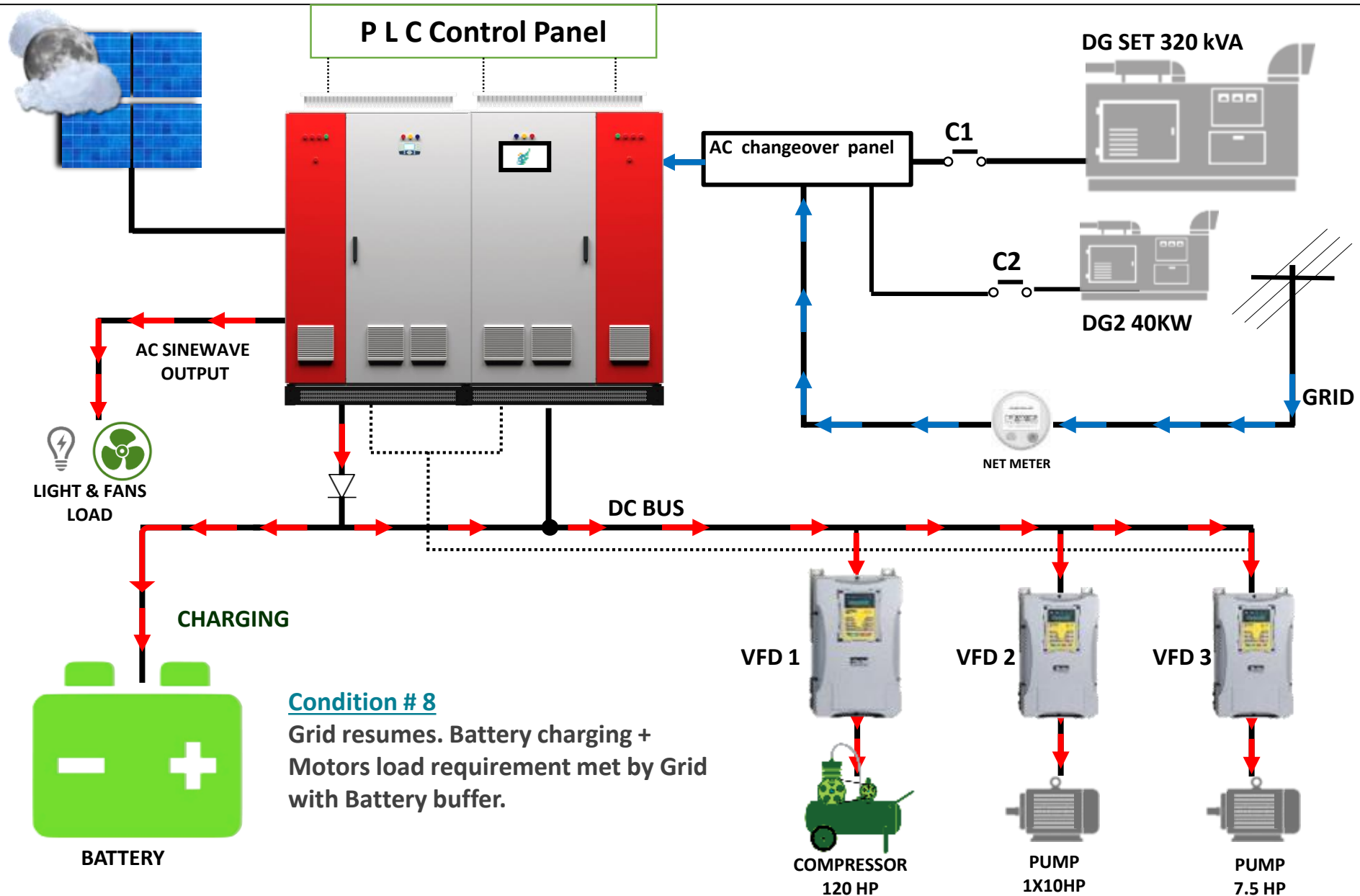
HYBRID SOLUTION FOR SOLAR COLD STORAGE

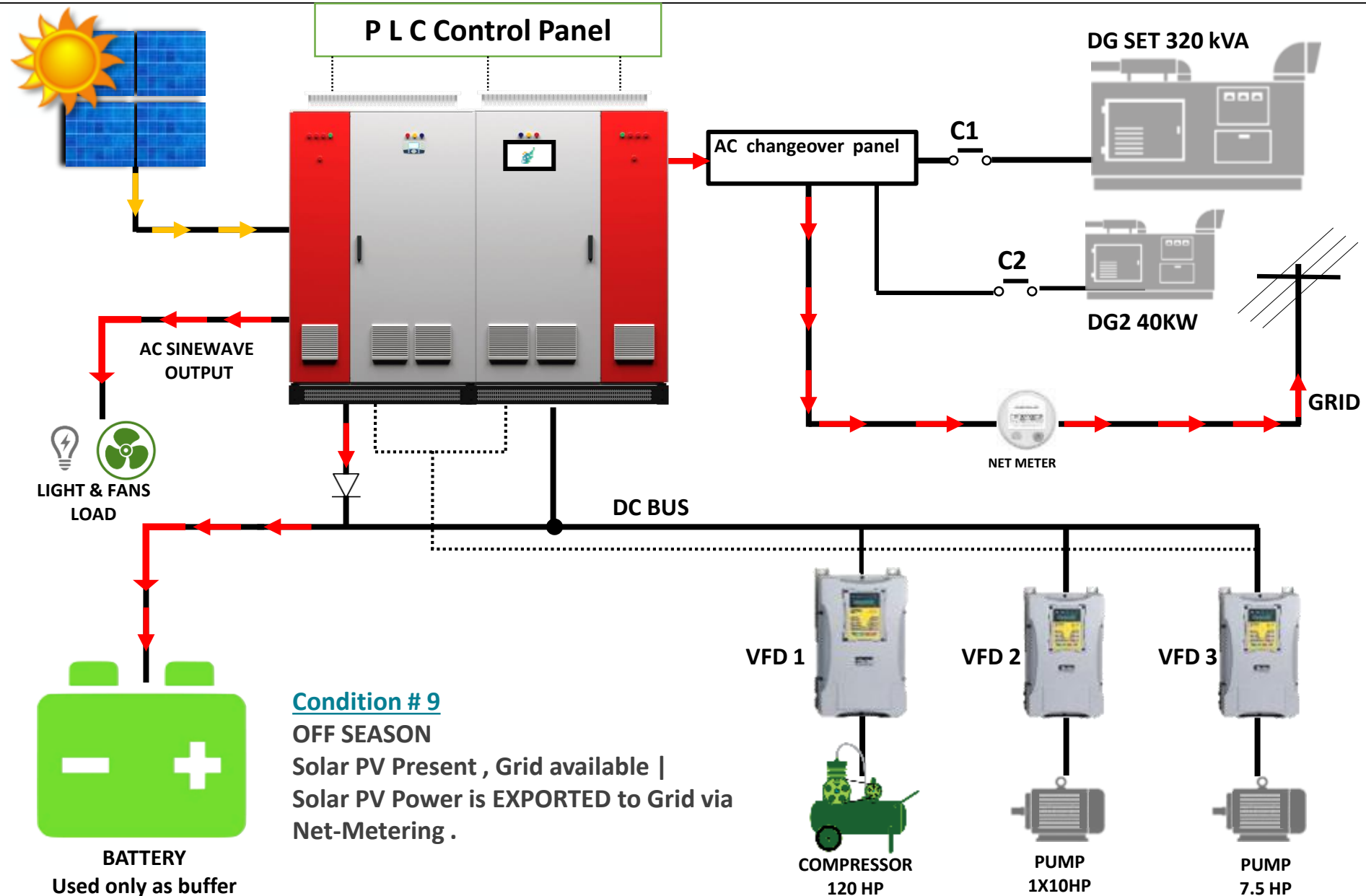


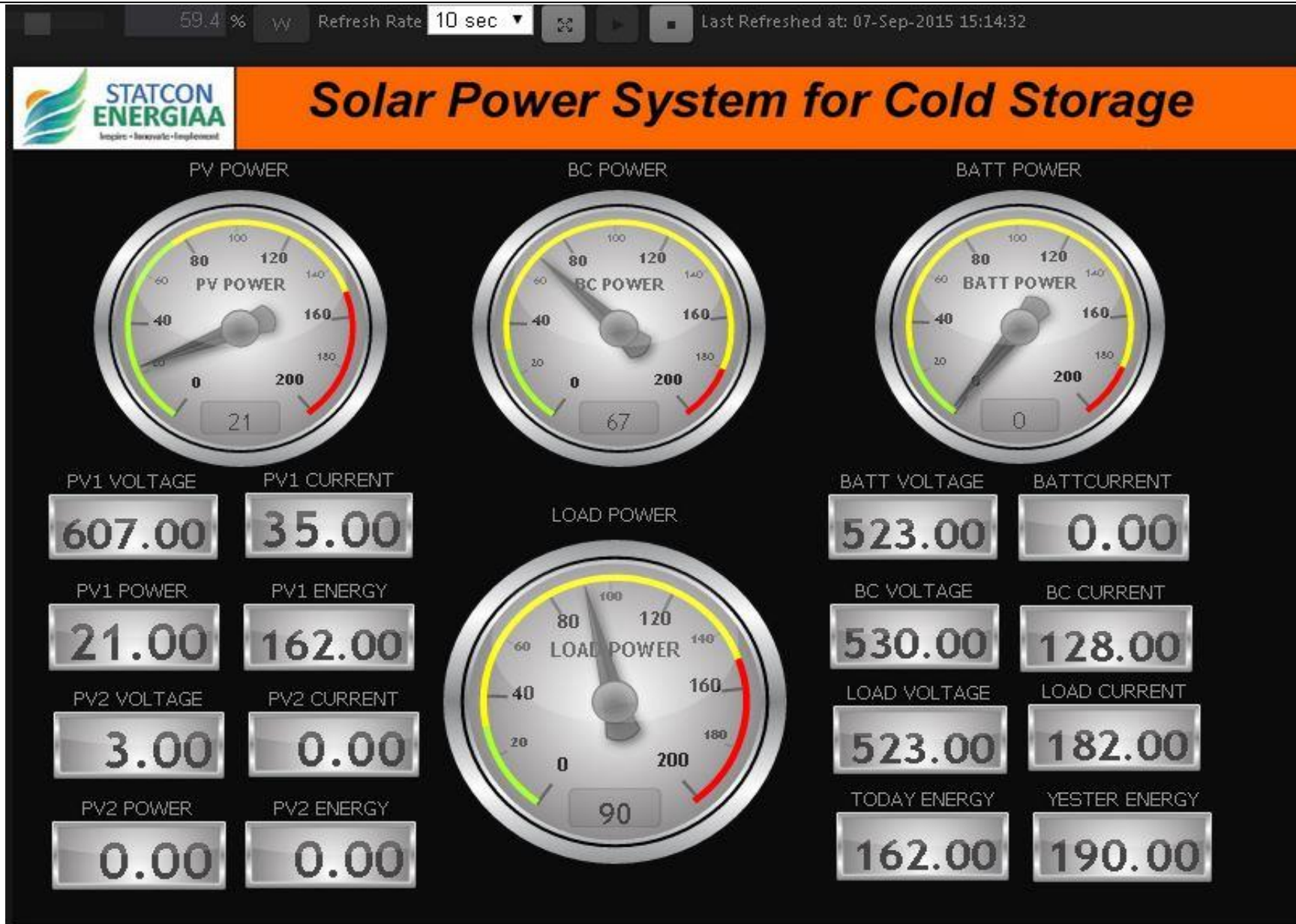




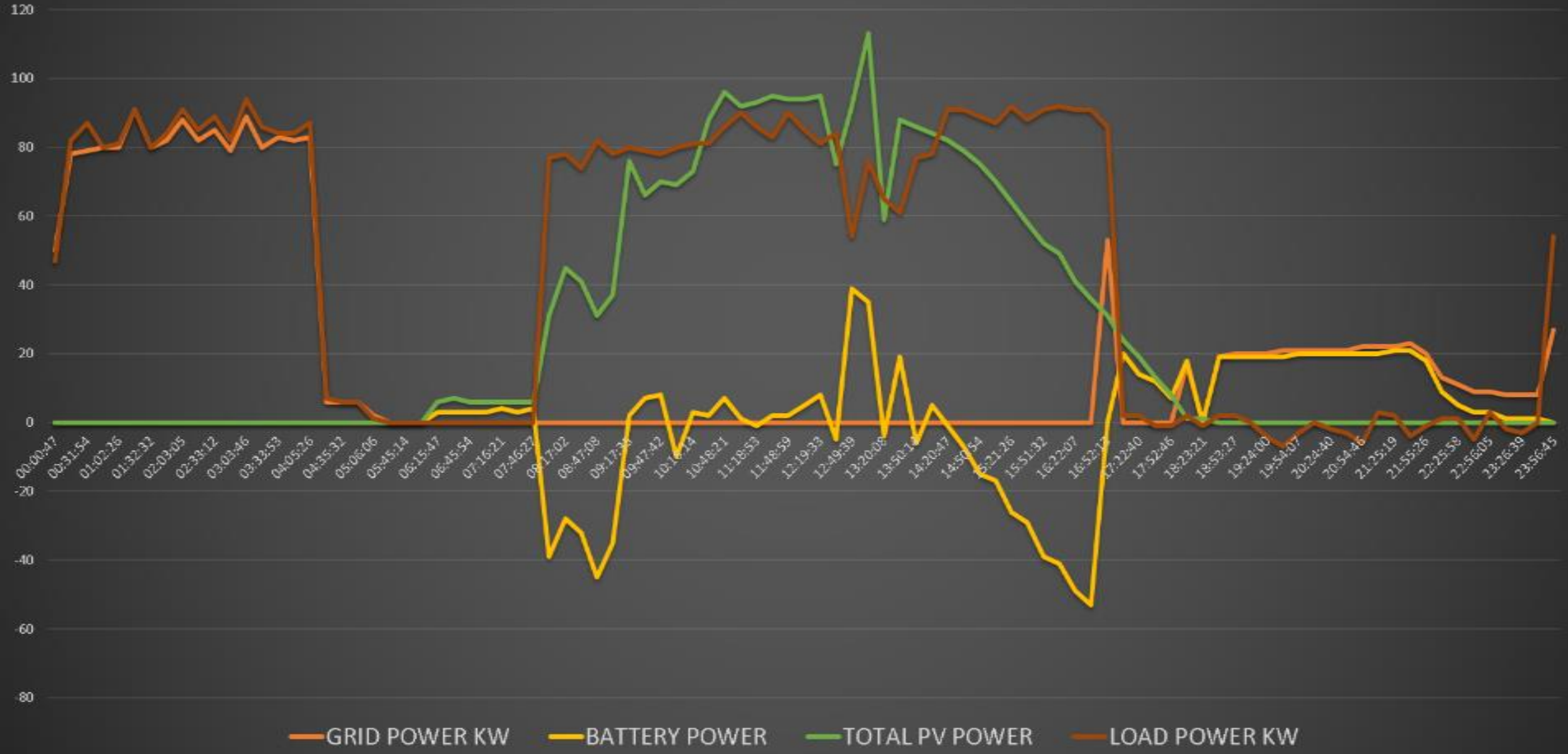








The following graphs shows how the different sources provide uninterrupted power to the load by dynamically sharing power among themselves





— GRID POWER KW — BATTERY POWER — TOTAL PV POWER — LOAD POWER KW



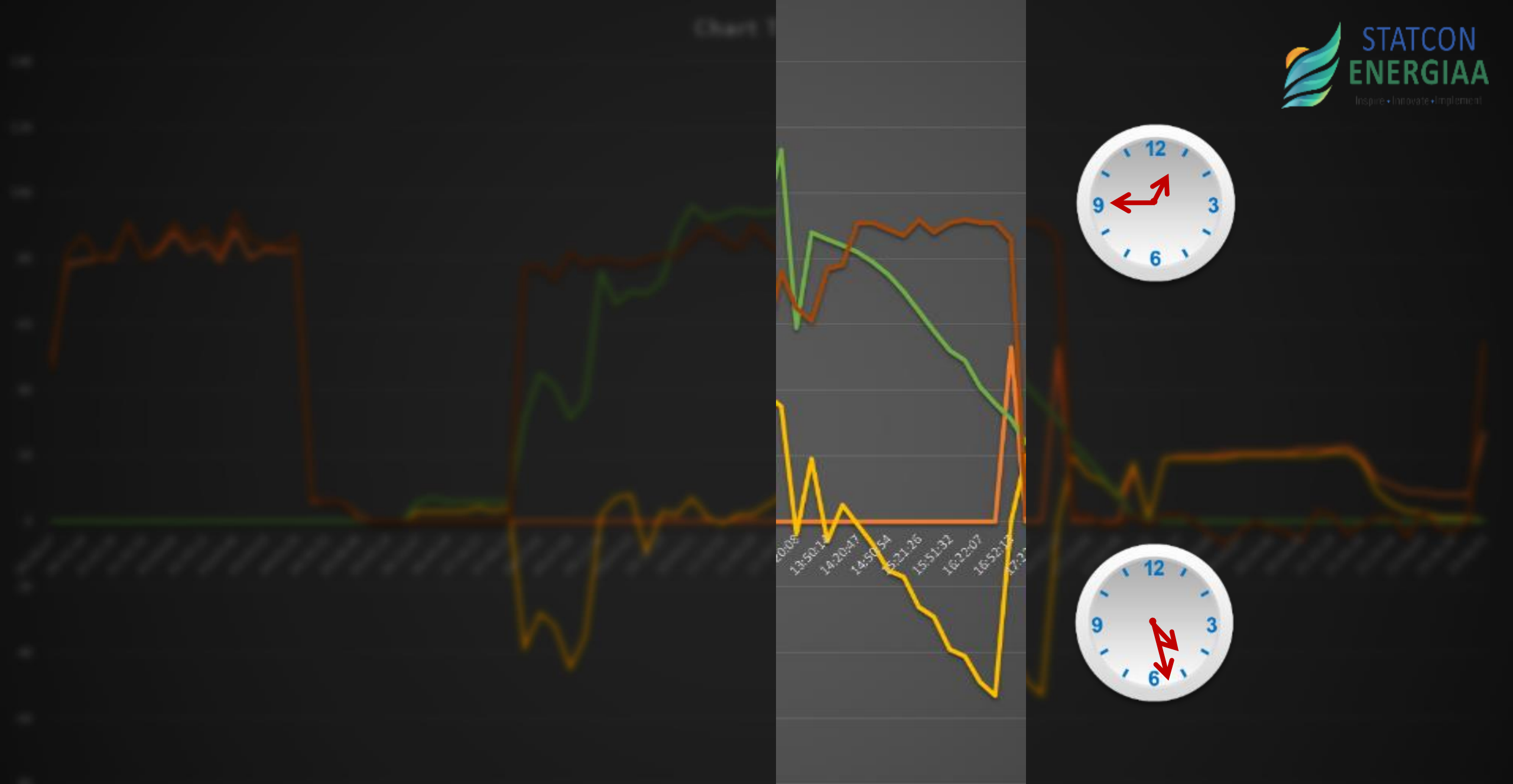


Chart Title

08:17:02 08:47:08 09:17:38 09:47:42 10:18:14 10:48:21 11:18:53 11:48:59 12:19:33 12:49:39 13:20:00

— GRID POWER KW — BATTERY POWER — TOTAL PV POWER — LOAD POWER KW







**ADVANTAGES:**

1. No loss of energy or hassle of closing and opening of the ammonia valve
2. Ensures quality power, no mechanical stress on motor and improves mechanical maintenance
3. Combination of grid tie and storage ensures no loss of solar energy even if grid fails
4. Ensures 24 × 7 electricity
5. Excess solar power produced 'export to grid' feature under net metering also available
6. Very minimal or no need to run DG SET
7. Ensures 6-7 years minimum life of battery . Even higher life with proper maintenance is possible

**DISADVANTAGES:**

1. Uses battery which has a general apprehension in the minds of the users
2. Battery replacement in 6-8 Years (But with improvement in grid , even a very small battery bank can be used)

In conclusion : the actual payback period may become 3 years instead of the 4 year figure given due to the daily grid failures and high cost per unit of diesel used in DG SETS.

Hybrid Solar Inverter system Customised with VFD:

Average cost of the plant (100KW) = ₹ 90 Lacs

Subsidy from NHB = ₹ 12 Lacs

Loan Available from SIDBI @ 10% with 15% margin money

Payback period = approx. 3.5 years



Plant Details		
PV plant capacity	100 KWp	
Cost of the system	₹ 90,00,000.00	Rs.
Units generated in the first year	1,39,343 KWH	
Units generated over 25 Years considering degradation	32,06,060 KWH	
Financials		
Interest on fixed cost, % per annum	8.50%	
Working life	20 Years	
Self Equity (%)	30%	
Debt from Bank (%)	70%	
Pay-back period	3.33 Years	
Internal Rate of return(%)	22%	
Net Cashflow in Lacs	₹ 475,74,655.77	
Cashflow after adjusting for battery replacement 3 times	₹ 412,74,655.77	



Each 100KW Solar plant results in the following green savings



3,147.7 BOE
BARRELS OF OIL EQUIVALENT
saved in 25 years



41,00,112 Kgs
of CO2 saved in 25 years



58,573
No. of trees planted in 25 years

Completed 200KW Solar Cold Storage at JASWANTNAGAR ETAWAH on date 04|08|2016



Solar Plant Capacity: 200 KWp Hybrid Based system |

Batteries: 275×2V=550V 700Ah

Load details: 120HP×1 | 10HP×1 | 7.5HP×1 | 30KW lights and fans



India's first large Battery based Hybrid solar cold storage: Shri Cold Storage Etawah 140+10KWp



List of Projects to be finished within this financial year



3. Anant Cold storage 150KW | Lucknow U.P.



4. Shree Giriraj Cold Storage 150KW | Konda village Chhattisgarh



5. Giriraj Cold Storage 100KW | Lucknow U.P.



SOLAR



DEFENCE



POWER



RAILWAYS



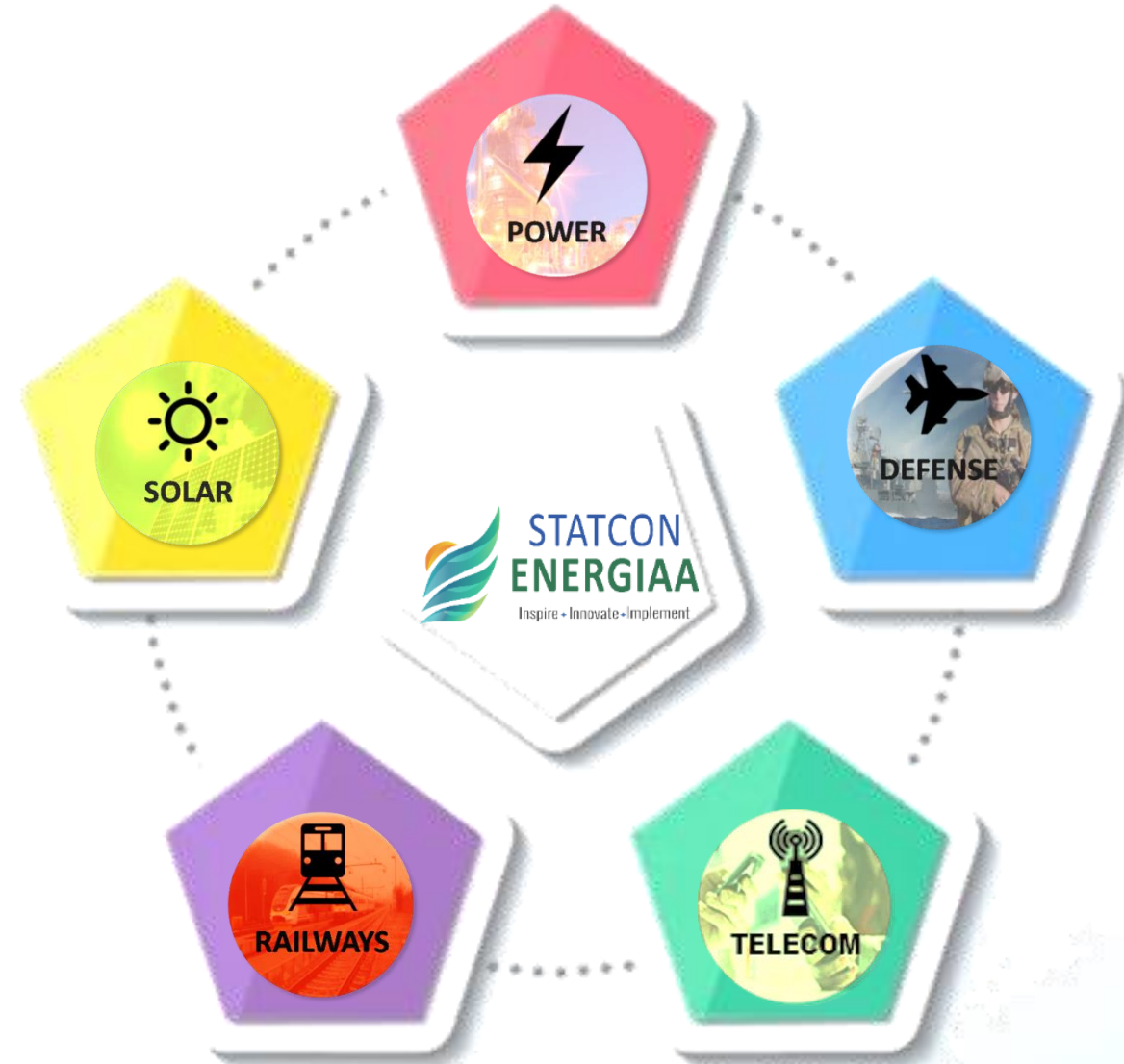
TELECOM

Statcon Energiaa was founded initially with an intention to cater to the battery charger segment need of power generating stations.

Soon expanding to the Telecom IPS installations, the company installed IPS almost over the entire northern and western railway lines

The Load banks and Submarine battery chargers are one of the largest ever Made In India.

Solar as a Sector was started in 2008, with off grid inverters as the main offering. This has now been expanded to hybrid, string, and central inverters, Energy storage systems and String monitoring units. Telecom sector is an offspring of the solar sector started in 2015.



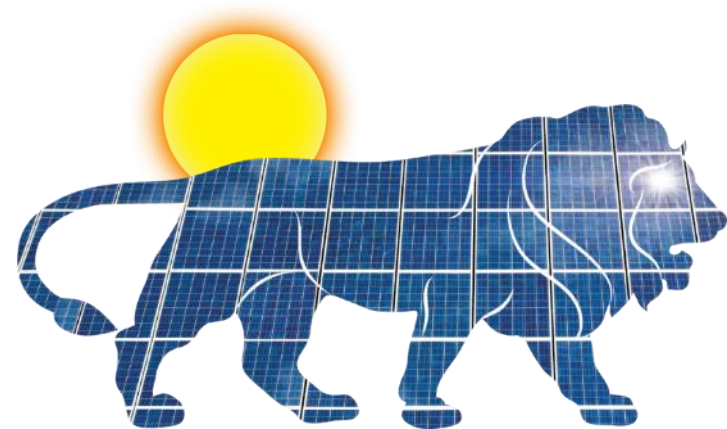
STATCON ENERGIAA is an Indian Power Electronics manufacturing company with an expertise in designing, manufacturing and technical support of equipment for static energy conversion, covering a broad spectrum of power, especially static Converters.

- MNRE approved channel partner in the field of solar
- Over 70 MW of solar inverters installed till date
- R&D expertise of 29 years in power electronics
- ISO 9001:2008 certified company
- MSME, NSIC and SMERA certified



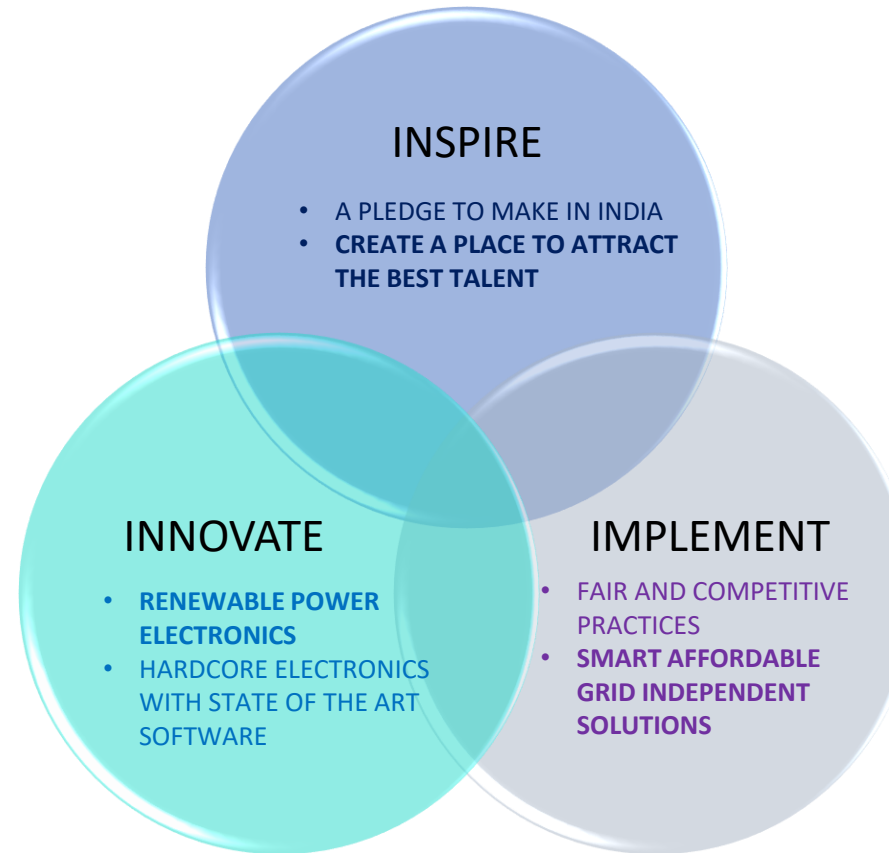
No. 1 Indian Power Electronics Manufacturing Company

Make in India | Made in India



MISSION

To inspire, innovate and implement global standards for high performance, reliability and cost-effectiveness in power electronics manufacturing



Core Values

VISION

To evolve constantly according to the growing demands of the world and create products that match our core values of human care and environmental benignity



TELECOM SECTOR

- 5KVA 1P/ 48V and 10KVA 3Phase 48V DC Solar Hybrid Power conditioning unit, which caters to telecom DC loads and is a grid synchronised plus storage-based system.
- This is a single box solution to power all requirements of Telecom/ BTS tower shelters.
- It meets requirements like 48V DC for telecom loads, 30V O/P for lighting loads, wide grid voltage input, DG start/ stop control, battery charging and stabilizing grid by exporting excess power to grid.

APPLICATIONS :



- Telecom BTS
- 48V DC Mini grids
- Retrofit Solar BTS



10kVA HYBRID INVERTER

MAJOR CLIENTS





INDIAN AIR FORCE

- Statcon is The Only Company In The World to Have Developed The GPU For AN-32 Aircraft Of The Indian Air force.
- More than 250 GPU's with a rating of 40 kVA up to 100kVA are at the service of the Indian Air force, Indian Navy, HAL ,Private Civil aircrafts, Govt. of Uganda, Nepal and Seychelles

APPLICATIONS :



- GPU for AN-32
- Starting of Dornier Aircrafts
- Ground Testing of Aircraft

MAJOR CLIENTS



STATIC FREQUENCY CONVERTER
(60KVA/ 400Hz)



40KVA GPU FOR GROUND TESTING



HIGH POWER DC REGULATED POWER
SUPPLY



INDIAN NAVY

- Shore Supply battery cum rectifiers and 50/60Hz Static/Rotary Frequency Converters up to 600KW for Ships and submarines are also serving the nation at Naval Dockyards of Vishakhapatnam and Mumbai
- Mobile Rectifiers cum battery chargers for Submarines at service in the Naval Dockyards of southern India
- AC/DC Load banks for the Indian Navy from 100KW to 1.25 M

APPLICATIONS :



- Shore Rectifiers
- Battery Chargers for Navy Ships
- Submarine Battery Charger
- Load Banks for Shore testing

MAJOR CLIENTS



LOAD BANK UPTO 1.5MW



1.5MW MOBILE BATTERY CHARGER
FOR SUBMARINE BATTERY



LOAD BANK UPTO
500kW



60KVA/400Hz SFC & RFC

- Statcon's battery Chargers are spread across the length and breadth of India with approximately 21,000+ units currently functioning.
- The Transmission Generation and distribution is handled by the units ranging from 10A to 4000A (48V/110V/220V/320V).
- Clients include DMRC, Jaipur Metro, Indian Army, Air force, Navy, NTPC, NHPC, BHEL, NHDC, Electricity boards of MP, HP, Tamil Nadu, Gujarat, Rajasthan, Odisha etc.

APPLICATIONS :



- Substations
- Hydro Power plants
- Thermal Power Plants
- Control rooms

MAJOR CLIENTS



**THYRISTOR CONTROLLED BATTERY CHARGERS
FOR GENERATION, TRANSMISSION & DISTRIBUTION**



SMPS BASED CHARGER



**24V/30A BATTERY CHARGER
WITH TUBULAR BATTERY**



**DC DISTRIBUTION
PANEL**

RAILWAY SECTOR

- Integrated Power Supply systems for Railway Signalling Installations
- Solar Level Crossing Gate (LC Gate) for remote areas
- 48V Telecom power supply for Railways Signalling
- Comprehensive Solar solutions with both Hybrid and Grid Tied Systems for Railway station utility services.



SOLAR RAILWAY SIGNALLING APPLICATIONS



LC GATE IPS

APPLICATIONS :



- Metro Rail
- Signaling Systems
- LC gate Signaling

MAJOR CLIENTS



48V/25A DC POWER PLANT



IPS FOR RAILWAY
SIGNALLING

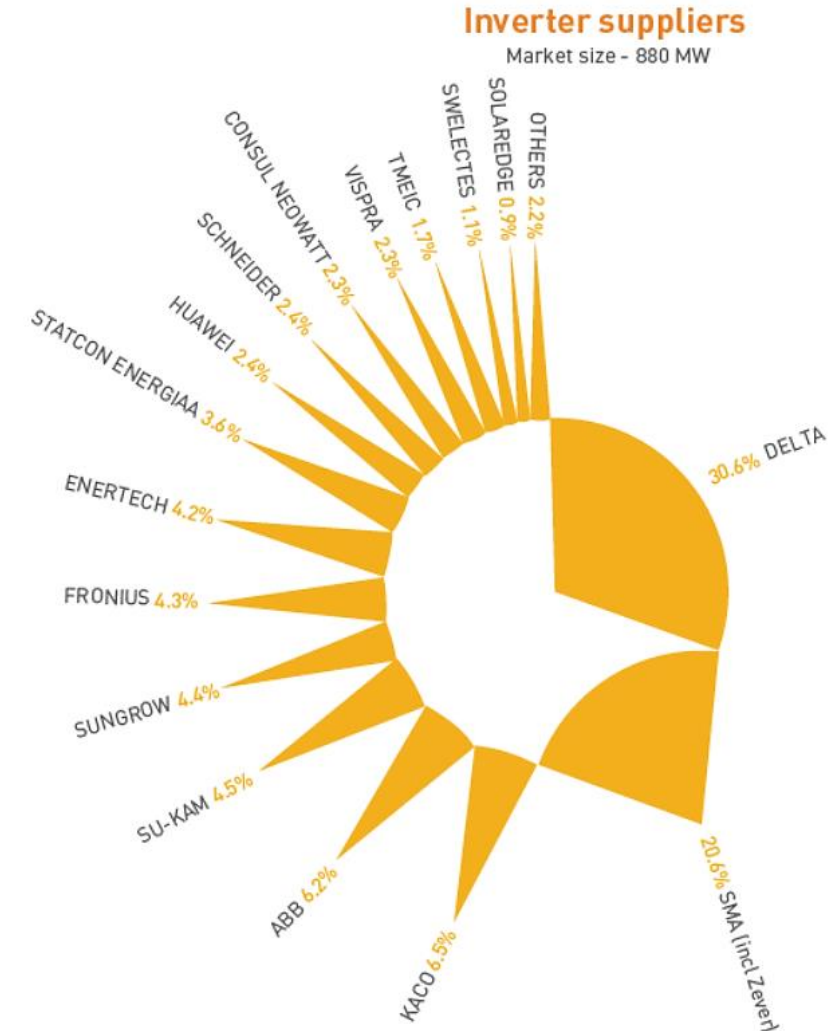
- The solar sector accounts for nearly 65 % of the companies revenues.
- No. 1 Ranked Indian company in 2015, 3rd in 2016 and 3rd in 2017 by Bridge to India and 9th Company overall amid foreign and Indian companies
- In the Hybrid Inverter Range, it is India's No.1 manufacturing company.
- Countries first solar district court inaugurated by PM Modi, unveiling India's solar policy, installed by Statcon Energiaa

APPLICATIONS :



- Roof top Solar for residences and buildings
- MW Plants combiner units
- Grid Connected solar plants
- Solar Cold storages

MAJOR CLIENTS





200kW JAYANTA EXPORTS, NOIDA



60kW ROOPLAXMI ENGG., MEERUT



100kW AMRIT FOOD, GHAZIABAD



100kW PLANT AT JMIT, HARYANA



190kW PLANT AT IOCL, PUNJAB



100kW PLANT, PILAKHUA



100kW KUMAR COLD STORAGE, LKO



40kW TINY TOTS, FAIZABAD



180kW KHUNTI CIVIL COURT



60kW SAVEER BIOTECH, GR NOIDA



100kW ANANDI WATER PARK, LKO



- Controlled scheduling via keypad or PLC Battery charging according to TOD Programmable night saving mode
- **Active Front End Technology** Low distortion O/P at unity power factor Increased battery life by avoiding PSOC condition Export excess PV power to grid through grid synchronisation.
- Peak load shaving/ load levelling Voltage/ Frequency regulation Time shifting applications
- **Flexible Compatibility** Can be AC coupled with String inverters Compatible with wind, hydro and other sources as well Seamless synchronisation with DG Sets.

APPLICATIONS



Office Buildings



Mini Grids



Telecom BTS



Railway Signaling



Cold Storage



Process Industries

MAJOR CLIENTS



HYBRID SOLAR INVERTER

ECO-HBD SERIES SINGLE / THREE PHASE



SEOG OFF GRID SOLAR PCU

- **5 Mode Priority Selection:** S>G>B | S>B>G | S>G>B* (Intelligent Mode)
Battery Extra Backup Mode Normal Home Inverter Mode
- Designed for reliability against frequent grid variations Transformer provides galvanic isolation and has a long life Protective breakers at all inputs & outputs
- Largest LCD Display in its class for great visuals Inbuilt data logging capability up to 5 years RS 232, GPRS, WiFi remote monitoring available
- **Plug N Play:** Rewireable inline plugs for AC input and output Ideal for solar integrators due to ease of installation Designed for hassle free commissioning.

APPLICATIONS



Residences



Petrol Pumps



Schools



Hotels

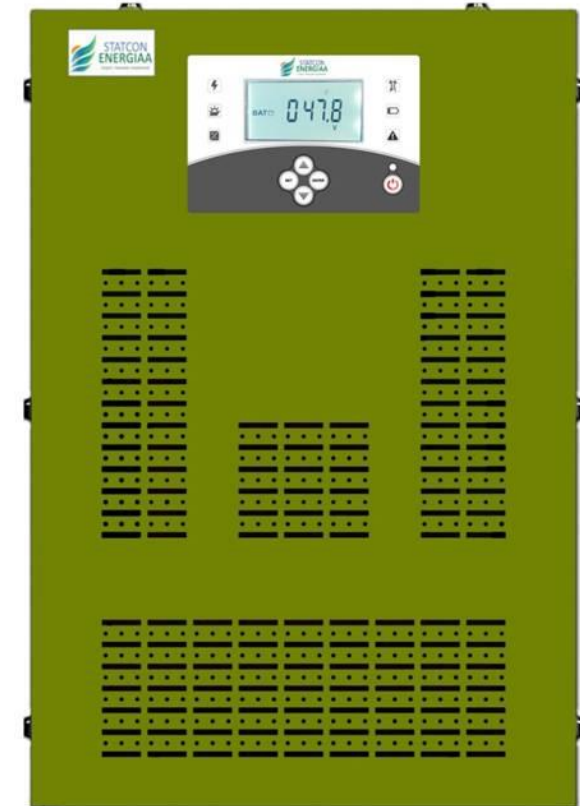


Rural Micro Grids



Small Offices

MAJOR CLIENTS

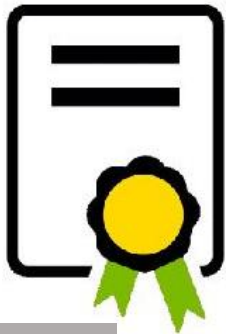


OFF GRID SOLAR PCU

SEOG SERIES



- **TOUCH SCREEN DISPLAY** : Incredibly responsive touch screen display, Inbuilt Data Logger, Instant USB Data transfer
- European technology with Indian manufacturing, 100% manufactured in India, India wide servicing promise
- **HIGH EFFICIENCY MPPT** : Dual MPPT With independent tracking, Wide MPPT working range: 350-800V, High efficiency: max 98.2%, Euro: 97.8%
- Fully certified for grid export, All certifications from NISE lab India, IEC 62116/ 61727/ 61683/ 60068/ EN50530



**LATEST GRID CONNECTED CERTIFICATIONS
FROM NISE LAB INDIA**



MAJOR CLIENTS

Launching soon



SOLAR STRING INVERTERS

TTL SERIES THREE PHASE

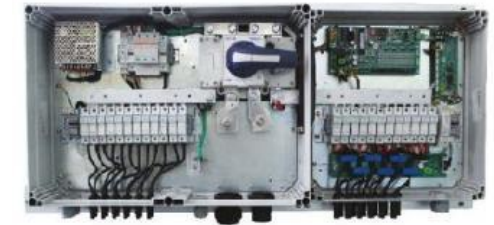
STRING COMBINER BOXES

- **LEADING INDIAN BRAND** : 1000V & 1500V DC models available, Monitoring of up to 32 strings, String combiners with & without monitoring
- Hall & Shunt sensing technology, Up to 0.25% accuracy in shunt sensor, Available for different ratings
- **COMMUNICATION STANDARD** : Fibre Optic communication available, Compatible with IEC60870-5-104, Rs 485 MODBUS Protocol
- Polycarbonate & FRP boxes available, Fuses in Positive or both sides, Self powered or external power supply

We offer a wide range of Array Junction Boxes, String Monitoring Boxes, and DC Fuse Boxes suitable for combining PV panel strings at various levels. These combiner boxes can easily handle high voltage PV strings and give on-line current data of each string used to reliably detect reduced generation or failure of any string. The product is 100% customizable and is suitable for harsh weather conditions.



STRING COMBINER BOXES



MAJOR CLIENTS



ENERGY STORAGE SYSTEM

Energiaa's ESS Pegasus is the new Stunning and Powerful premier segment Solar Energy Storage System for the Indian Market. A perfect combination of Energiaa's robust Hybrid inverter technology with an energy pack of 3.6-3.8KWH of Li ion battery.

The grid synchronised plus storage based solar inverter promises 100% utilisation of power as compared to conventional solar PCUs. Run your loads on its heavy-duty 3kVA inverter system and save on high electricity bills.

- **Scheduling Features:** Controlled scheduling via keypad or PLC, Battery charging according to TOD, Programmable night saving mode
- Low distortion O/P for critical loads, Facility of Export control of power, Export excess PV power to grid through grid synchronisation
- **Battery Pack :** Faster charging rate and low discharging rate, Is not affected by memory Effect and high temperatures, Guaranteed 2000 cycles and up to 5000 cycles at 25°C at 50% DOD
- Runs your Air conditioner for more than 2 hours in case of a power cut, 3.6 to 3.8KWH ensures that you never remain without power, GPRS Based remote monitoring available

APPLICATIONS



Residences



Bank ATM



Shops



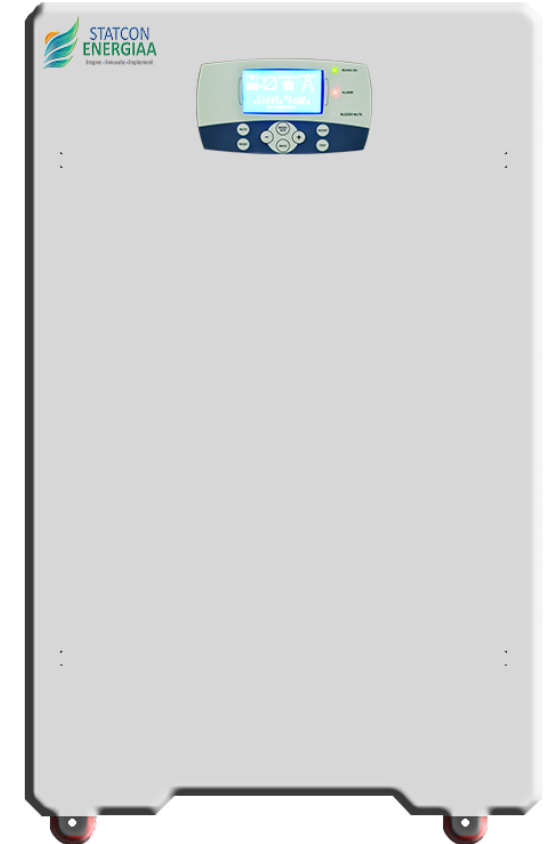
Clinics



Gyms



Small Offices



ENERGY STORAGE SYSTEM

ESS PEGASUS 3KVA | 3.8 KWH | LI-ION



नोएडा की स्टैटकॉन कंपनी ने लगाया है प्लांट

जगरण संवाददाता, खुंटी : प्रधानमंत्री नरेंद्र मोदी ने यज्ञ न्यायालय परिसर में जिस सोलर पावर प्लांट का उद्घाटन किया, उसे नोएडा की स्टैटकॉन नामक कंपनी ने लगाया है। यह प्लांट ग्रिड कनेक्टेड है। इसमें बैटरी का भी प्रयोग किया गया है। इसका इन्वर्टर भी इसी कंपनी ने बनाया है। बिजली फैल होने पर बैटरी व सौर ऊर्जा मिलकर बैकअप देते हैं। इससे कोर्ट के कार्य में किसी प्रकार की बाधा नहीं आएगी। साथ ही एक अति विशेष सुविधा है, जिसके अंतर्गत अनिश्चित सौर ऊर्जा को ग्रिड में निर्यात भी किया जा सकेगा, जिसका अन्य उपयोगकर्ताओं के हित में प्रयोग किया जा सकेगा। इस कंपनी द्वारा कई स्थानों पर प्लांट लगाए गए हैं।



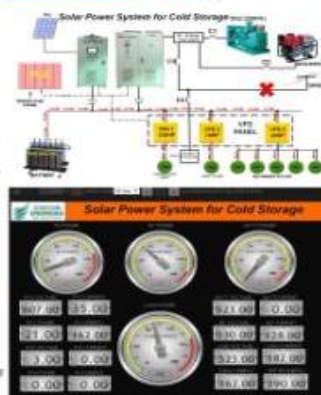
प्रदेश का पहला सौर ऊर्जा आधारित शीतगृह स्थापित

इलाहाबाद, जगरण संवाददाता: इलाहा में सौर ऊर्जा आधारित शीतगृह का पहला शीतगृह स्थापित हो चुका है। श्री शीतगृह स्थापना कार्य द्वारा 150 किलोवॉट क्षमता का सौर शीतगृह स्थापित किया है।

जून 2017 में स्थापित हुए श्री शीतगृह शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है। इस शीतगृह को पत्तार के लिए तीन किलोवॉट के विद्युत बिजली का प्रसारण 150 एम्पी, 120 एम्पी एवं 300 एम्पी है। इस शीतगृह का 250 किलोवॉट का बिजली बॉर स्थापित है। जिसका प्रयोग 100 एम्पी का प्रसारण प्रदान करने के लिए किया जा सकेगा। इस शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है। इस शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है। इस शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है।

शीतगृह द्वारा सौर शीतगृह लगाने पर प्रतिदिन लगभग 700 टन की मात्रा में शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है। इस शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है। इस शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है।

इस शीतगृह के निर्माण में कुल निवेश लगभग 100 करोड़ रुपये का है। इस शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है। इस शीतगृह की क्षमता में लगभग 10400 किलोवॉट एफ है।



“PM NARENDRA MODI Inaugurates 180 KWp Hybrid Solar Plant at District Court Khunti , commissioned by STATCON under JREDA”

“ Uttar Pradesh’s first and India’s most successful Solar Cold storage installed at Shri Cold Storage Etawah, studied by panel from The Indian Ministry of Horticulture”

