



**WMS**

*The Market Leader*

Since  
2003



**WORLD MACHINERY STORE**

[info@worldmachinystore.co](mailto:info@worldmachinystore.co)

[www.worldmachinystore.co](http://www.worldmachinystore.co)

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

IN THE NAME OF ALLAH

# Why WMS SOLAR

WMS solar is a leading solar power solutions provider in Pakistan deals in top-tier products to deliver high performance solar customized solutions. Our products and solutions are made to meet all kind of solar needs for domestic, commercial and industrial consumers. We offer extensive consultation, permitting and installation services that produce remarkable results and transform the way you consume energy. Our team of surveyors and installers are professional and experienced, unlike most Renewable Companies. We offer tailor-made solar solutions depending on customer location, electricity needs and prices. WMS Solar aims to establish a cleaner, pollution free planet by revolutionizing the energy outlook of the world, one building at a time.

## Solar Solutions

WMS Solar has powered the Pakistan since 2014 by providing affordable solar solutions. WMS Solar Solutions helps households, Schools, farmhouses and businesses harness the power of the sun. Our focus is on making solar affordable with customized solar solutions that will reduce your electricity bills and protect you from rising energy costs.



**Domestic**



**Commercial**



**Industrial**



**Agricultural**



**Village**



**Gas Station**

# Making Solar



**Reliable**



**Easy**



**Affordable**

# What is a Solar System?

A solar panel system is an arrangement of different components with the purpose to generate electricity from the solar radiations. The system has following components.

- Solar Panels
- Solar Inverters
- Connecting Wires
- Batteries (Optional)
- Net Meter (Optional)

## Types of Solar System in Pakistan

Solar panel system comes in various capacities and sizes. It also has many types, however the main classification is done on the basis of system operations. The three major types of a solar panel system are as following:

### On-Grid Solar System in Pakistan

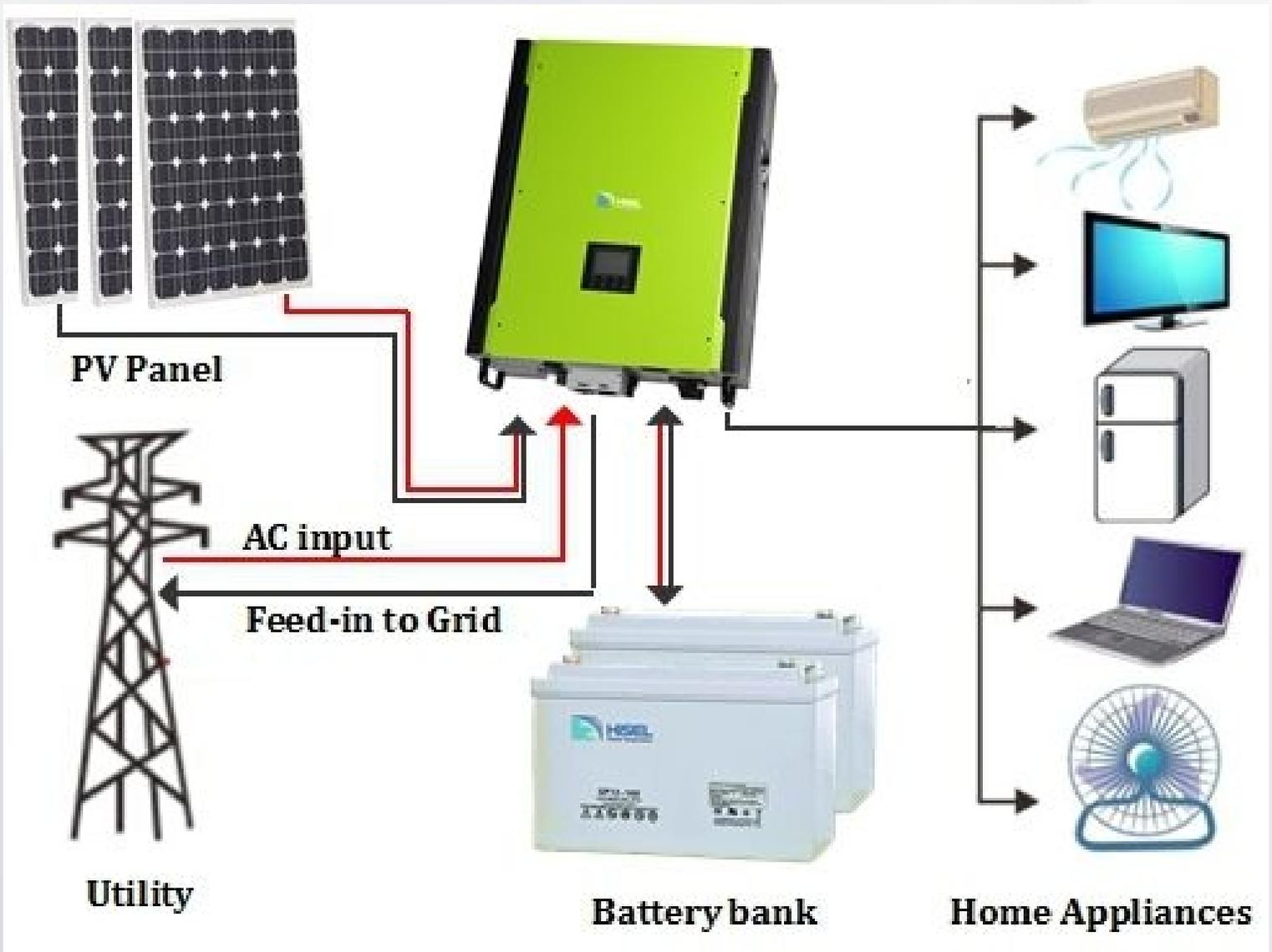
**Grid-tie Solar System** is the most widely used solar solution in Pakistan. Mostly used by residential and industrial customers, this system does not require any batteries to save excess current. This solution uses utility grid as the virtual battery to store any surplus electricity generated. Net metering takes account of the units supplied to grid so the owner can get free units or cash against it. This system does not provide any backup if the connection to the grid is lost in cases such as black out.

### Off-Grid Solar System in Pakistan

**Off Grid Solar System** is the one that is used when there is no grid connection is available. It is a little expensive because of the addition of the batteries. The system is mostly used by the agriculture and the defense sector in remote locations. The best thing about the system is that it provides backup during load shedding and blackout because of the solar batteries attached to the system. Net metering option is not available because there is no connection to the grid.

# Hybrid Solar System in Pakistan

A **Hybrid Solar System in Pakistan** is the one that is most commonly used by commercial sector. This system has both the options to allow net metering and a system of batteries as well. You can sell excess electricity back to the grid and can also get backup in case of outage. The system gets expensive with all the equipment, however, WMS Energy has always provided their customers with affordable solar system prices in Pakistan.



# SOLAR SOLUTIONS

## RESIDENTIAL SOLAR SOLUTION

WMS Solar Provides Complete Domestic Solar System  
Installs & Maintenance

### Power solutions for your home

Are you suffering from gruesome load shedding in your home?  
WMS Solar brings you the most economical solution in form of solar system for home. We offer wide range of renewable energy services for residential as well as the commercial sector of Pakistan. Our solar system for home solutions are as follows:

- 3 kW solar system for home use.
- 3 KVA solar energy system for residential customers
- 5 kW solar energy system
- 5KVA residential solar power solution
- 10 KW solar system for home use in Pakistan
- 10 KVA renewable energy system for home use



## Does solar energy system for home help you save money?

The frequently asked question by most of the people is that how does solar energy help you save money? Solar energy system for home price in Pakistan offered by WMS is very convenient than the other regular billing procedures as you need to only pay for once. Moreover, the price is less because the panels are helping you generate your own electricity and this totally affects your regular billing structure reducing it to a minimum 20 percent. This is the reason why people are now choosing solar energy panels as they only cost you for one time and you are free from the tension of excessive billing every month even in case of massive load shedding. So if you also want a bright and stress-free electrical flow at your home **call us on +92 321-4029460** and get your solar energy system from WMS, where we aim to lighten up every home organically!



**SAVE BIG SAVE NOW  
WITH WORLD MACHINERY STORE,  
YOU SAVE IN MANY WAYS**

**REDUCED  
ELECTRICITY BILLS**

Solar On-Grid: Rs. 6.5/kWh  
WAPDA-Off Peak\*: Rs. 16-20/kWh  
Diesel Generator: 28-30/kWh  
\*Inclusive of Taxes

**SHORTER  
PAYBACK**

Quick Payback  
2.5-4 Years.

**SAVINGS DUE  
TO LONGER LIFE**

Our system works longer  
and we can guarantee it.  
Stress-free production for  
decades leading to  
BIG Savings.

# WHICH CAPACITY MAKES THE BEST SOLAR SYSTEM FOR HOME IN PAKISTAN?

## MONTHLY ELECTRICITY UNITS

300-350  
500-600  
1100-1200  
1700-1800  
2300-2800  
2800-3000  
3500-3600  
4000-4200

## SYSTEM CAPACITY

3KW Solar System in Pakistan  
5KW Solar System in Pakistan  
10KW Solar System in Pakistan  
15KW Solar System in Pakistan  
20KW Solar System in Pakistan  
25KW Solar System in Pakistan  
30KW Solar System in Pakistan  
36KW Solar System in Pakistan



**WEB GENERATED BILL**

www.lesco.gov.pk

LAHORE ELECTRIC SUPPLY COMPANY - ELECTRICITY CONSUMER BILL

G.S.T # 0305271600291

TARIFF: A-1a(01)    LOAD: 2    STATUS:

REFERENCE NO:	CUSTOMER ID:	METER NO:	Feeder:	BILAL PARK
		S-8365	Sub Division:	FATEH GARH
			Division:	MUGHAL PURA

DEC 20	TARIFF	METER READING CURRENT - PREVIOUS	X MF =	UNITS	GOP PRICE	TOTAL ELECTRICITY COST	LESCO CHARGES
READING		15391 - 15093	X 1 =	298	2,621.6	2,621.25	TAXES & OTHERS
CONN DATE							E-DUTY 39.32
12 MAY 17							TV-FEE 35
	NEPRA Tariff	-	GOP SUBSIDY	=	GOP Tariff	X UNITS	=
	11.300	-	3.190	=	8.110	X 200	= 1,622
	13.040	-	2.840	=	10.200	X 98	= 999.6
							FPA 866.49
							FPA SEP-20 @ 1.1138
							<b>Total = 3,487.74</b>
							<b>TOTAL = 706.26</b>

METER READING



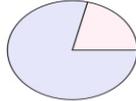
Current Bill 16-12-2020 16:33 06113450524908

<b>CURRENT BILL</b>	<b>4,194</b>	<b>=</b>	<b>3,487.74</b>	<b>+</b>	<b>706.26</b>
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**ARREARS/AGE**

<b>TOTAL PAYABLE</b>	<b>Rs. 4,194</b>
<b>LAST DATE:</b>	<b>29 DEC 20</b>
<b>UNITS:</b>	<b>99999999</b>

LESCO 78.78 %  
TAXES 21.22 %



L.P. SURCHARGE	278	This Bill has a subsidy from GOP of	916.32
LATE PAYMENT	4,472		

For Electricity Supply Failure Contact	(042) 118 04236523975, 03200522345, 03200523345
For other Complaints	
SDO: 03200521345	For Electricity Theft Contact
XEN: 04236523924/03200521340	042-99204798

BILL HISTORY	MONTH	UNITS	BILL	ADJ.	PAYMENT
	DEC-19	177	2,838		2,838
	JAN-20	255	3,584		3,584
	FEB-20	298	3,328		3,328
	MAR-20	196	1,766		1,766
	APR-20	336	5,283		
	MAY-20	333	10,865		10,865
	JUN-20	544	10,018		10,018
	JUL-20	545	10,186		10,186
	AUG-20	561	10,561		10,561
	SEP-20	655	12,767		12,767
	OCT-20	510	9,907		9,907
	NOV-20	378	6,590		6,590

بجلی سے متعلق تمام شکایات کے جلد ازالہ یا بل اور لوڈ شیڈنگ کی تفصیل کے لیے اپنے بل کا حوالہ نمبر، صارف کا نام اور مسئلے کی نوعیت (مثلاً بجلی بند ہے یا میٹر خراب ہے وغیرہ) لکھ کر 8118 پر SMS کریں یا 118 پر کال کریں۔

**"SAY NO TO CORRUPTION"**

# WMS COMMERCIAL SOLAR SOLUTION

## WMS SOLAR PROVIDES BEST COMMERCIAL SOLAR SYSTEM FOR YOUR BUSINESS

WMS Solar Renewable Company in Pakistan Design and install best solar system for you business. Commercial Solar Panel Systems are custom designed to meet industrial solar power and small business needs.

### WE RECOMMEND YOU SOLAR PANEL INSTALLATION CAN BE POLE MOUNTED, ROOFTOP OR POWER WALL.

Solar System Can Be Off Grid And Grid Tie Solar  
Battery Backup Must

### WMS SOLAR GRID TIE SOLAR SYSTEM INCLUDES :

Grid Tie Inverter  
Solar Panel Mounting System  
Array of Solar Panels or Solar Modules

WMS Solar Renewable Company in Pakistan Design and install best solar system for you business. Commercial Solar Panel Systems are custom designed to meet industrial solar power and small business needs



# WMS COMMERCIAL SOLAR SOLUTION

WMS offers state of the art commercial solar solutions as per the customized requirements of the clients. Equipped with international standard materials, **WMS** provides turnkey solar solutions in commercial sectors that deliver excellent performance. From 32 KW to 32 MW, Premier offers commercial solutions in different capacities as per clients' needs and preferences. However, advanced technology is used for developing all of these **Solutions** which can vary a bit from each other according to certain prerequisites. Our solar solutions have the following qualities which are our trademark and the reason why people trust us.

## READILY AVAILABLE

Our solar solutions are readily available to our customers. You don't have to wait many days for your system to be installed. We have everything prepared and all you need to do is give a go signal and we will install the solar panel system at your premises within as little time as possible.



## **CUSTOMIZED SOLUTIONS**

We understand that every business has its requirements and uses electricity differently. Some use more and some use less. We also understand that you don't want to spend more than what is necessary on solar panel systems because if it fits your requirements and fulfills your electricity demands, there is no need to go for the extra. WMS provides customized solutions so you get the best according to your business needs and electricity usage.

## **SUPERIOR QUALITY**

The quality of the solar panels and the inverters we use are the best in the market. We have partnered with top tier brands to bring the best international products to the local market because we don't compromise on quality. All the customers we have served are completely satisfied with the originality of the brands and the quality of the products.

## **RELIABILITY**

Despite our struggle to provide you top quality and the best service at the most affordable price, solar systems may still be a one-time investment for most of the clients. They cannot spend money now and then on its maintenance or to get a new one. We provide reliable solutions so our customers are always satisfied and reap maximum benefits through their investment.

## **Solar Support Structure**

Solar panels can also be mounted on flat roofs using a support structure. These support structures are made of aluminum or similar elements.

## **SLANTING OR PITCHED ROOF**

Many commercial buildings have slanted roof-tops for which Green Cloud offers mounting. Green Cloud can also provide BIPV (Built in Photo-Voltaic) systems

## **PRICE**

Last but not the least, WMS is known for its turnkey solutions, quality, services, and above all, the pocket-friendly price that we offer. We provide international products at a market competitive and affordable price so you don't have to spend a single dime extra on the original price of the product and the service.

If you want to solarize your commercial building and cut costs on your electricity bills, this is a perfect time. Reach out to us and we will be glad to make this journey easier for you. If you need just some information, you can still contact us and we will be glad to provide you with assistance and support in any way required.

## **FLAT ROOF**

If your site has a flat roof there are several options available to place the solar panels / modules. Our experts will analyze the structure to the recommend the most cost-effective and beneficial system.

## **FLAT ROOF SOLAR / FLEXIBLE PANELS**

Flexible solar modules have low weight and that makes them attractive / ideal for flat roof-tops. Installing flexible solar panels is easy and it does not require perforation of the roof.

## **SLANTING AGAINST FACADE**

There could be a possibility that solar panels cannot be placed on the rooftops. In that case we can mount the panels to the walls. The panels will be mounted on the facade at a 35 degree angle using a support structure. This option also provides a useful shade underneath.

# SOLAR PANELS ON THE FACADE

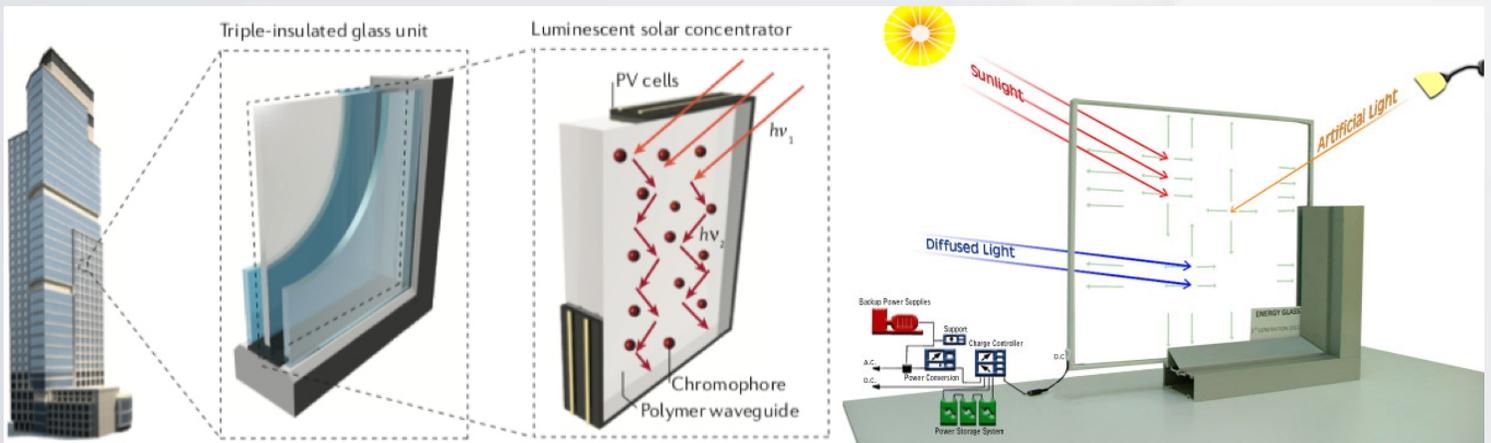
Under the BIPV concept, solar panels can also be integrated into the walls or facades of buildings.

## SOLAR INTEGRATION IN TRANSPARENT GLASS

**WORLD MACHINERY STORE** can also provide solar panels built into semi-transparent glass. If mounted into the window or the ceiling, this will allow lights to pass through into the room.

## OPEN FIELD

For organizations that need a large system to generate power, whether for own use or for renting / selling to others, we recommend an open field **solar installation**. The support structure for such an installation can be made from various materials – concrete blocks to poles.



## AFTER SOLAR SYSTEM INSTALLATION

When you are able to generate even a lot of power. We're able to add further panels to satisfy your power wants. further panels could need upgrades to your electrical converter, battery bank, and main bus. we have a ability to handle all of those upgrades efficiently and quickly. In the event that you need to install a new roof, we'll briefly take away your array and install it, to form things convenient for you and your roofers. With regular cleaning and maintenance from our professionals, you will not need to worry regarding your system breaking down on you. so as to observe your business star system's maintenance wants.



## INDUSTRIAL SOLAR SOLUTIONS

WMS Solar Renewable company success comes from the the art Off-Grid and **Grid-Tied Solar Solutions**. WMS solar provides best industrial solar solution in all over the pakistan.

WMS Solar maintains and installs customized **solar power industrial solutions** for the industry. **WMS Solar Panel Industrial** solar solution Starts from basic setups capable of powering a small site all the way we have large solar panel solution which support heavy industries. Our team includes of well trained professionals dedicated to solar power. we have a ability to at inexperienced Cloud area unit committed to deliver effective and **economical alternative energy solutions** to a broad spectrum of organizations like, firms, government agencies, municipalities, utilities and non-profit organizations.



## FLAT ROOF

Flat roof is the best option to place solar panels /modules if your site have flat roof then there are several options to place solar panels .Our experts team analyze your industrial structure and preferred you the best most cost-effective system.

## FLEXIBLE SOLAR PANELS

Our solar panels have low weight and flexible which looks attractive on your flat roof tops. Our solar panels which we installed on your flat roofs by using a support structure. The support structure made by **aluminium or weather resisting mattels**.

Lots of industries have slanted roof tops for which WMS Solar offers mounting. **WMS** can provides Build in **Photovoltaic Systems**. Solar Panels can also be installed on facades of buildings or into the walls.



# GAS STATIONS SOLAR SOLUTIONS

The average gas stations and fuel pumps has shade structure and these stations are suited for photovoltaic panel arrays. At many gas stations allowing for the installation of a large solar panels array and just few stations which have shading issue that can effect on photovoltaic solar output. So best option to install solar panels is top of canopy where solar panels captured a huge amount of the sun energy. So this option allows to Gas Stations to generate their own energy without using any valuable space on the property.

## COMMERCIAL SOLAR POWER

In Future electricity costs increase and there is small reason to think that's going to change by installing a Commercial Solar Panels System in gas stations, then a gas station save lots of energy and save a huge amount of electricity bills .Pumps and Gas Stations with commercial solar photovoltaic arrays are preparing for the future utility saving. whole year lots of vehicles hit the roads, so it mean users have increasing need for charging gas stations. so solar system on gas stations helps to increase their service value.



# VILLAGES SOLAR SOLUTIONS

WMS Solar renewable Provide Best **Solar Solutions for Villages**. There are many villages which have no light or electricity so we provides them electricity through solar panels.

## **Solar Home Light System**

The best and cheapest way to adopt solar system is solar home lights system it is very helpful and useful for villages. This small system carried anywhere easily. This **Solar Home Light System** includes essential appliances and solar panels ,battery that can run DC Lights, DC Fan, DC TV and also charge your mobile phones. We provides best **Villages Solar Solutions**.

## **Solar DC System**

DC Solar System is also the best option for villages because DC Solar Panel System run fully on solar without any grid or reliance. This solar system is easy to use and maintenance free that comes with battery ,solar panels and other essential appliances that can runs DC fans, lights, mobiles and some other appliances.



## Clean Solar Energy

Solar energy is a clean energy there is no carbon emitting diesel and petrol use in solar energy which create pollution solar energy is a clean and renewable non-polluting energy.

### Productivity:

By enabling and advancing the assembly of high price, off-season crops created potential by irrigation technology and agriculture coaching.

### Independence:

The farmers are independence due to solar energy by empowering marginalized rural farmers to interrupt the financial condition cycle by achieving money and energy property.



## WHY SOLAR ENERGY?

### Environmental Impact

A typical 25kw solar system will provide the following environmental benefits over 25 years:



Remove 900 tons of CO<sub>2</sub> from the air



Driving a car 1.2 million miles



Planting 3,000 trees

## Affordable

Solar System is cheap and affordable for poor farmers or villagers who can not afford electricity bills or have no electricity they can easily use solar panel system and solar energy system that helps to increase income opportunities of poor peoples or farmers.

For buy low cost Solar Energy System click our contact button and contact us or call us we provides you our best Villages Solar Solutions.



## AGRICULTURE SOLAR SOLUTIONS

Agriculture Solar Solutions has been great blessing for several little cities and villages in Pakistan. It is sad, however true that there are lots of villages in Pakistan wherever electricity has not reached. Lots of villages faced electricity problem and due to this the agriculture system disturbed. We complain regarding power cuts in cities, however several villagers make do agriculture without any power.

Rural Pakistan still depends on either kerosene lamps or little diesel generators. Diesel generators are terribly costly to control as they consume lots of expensive fuel. Generators release dangerous and toxic fumes. Kerosene lamps, on the opposite hand, are quite unsafe to use. Every year, thousands of fireplace accidents are caused in villages owing to kerosene lamps. However the Agriculture solar Solution is the best option for agriculture and this solar system is cost-effective and meet their requirements.

So WMS Solar Reenables Company provides best and low cost and most efficient solar panels or solar products for agriculture. Our products are reliable, easy to install and easy to use.



## Power You Can Depend On

WMS Solar Solutions are basically designed to be more effective and reliable and more advanced, and harvest up to 65% solar energy per square foot in first 24 Years, so you can easily grow up your business faster and smarter than ever.

### Tubewell Solar System

**Agriculture** is the base of economy in Pakistan, there are lots of areas where land is extremely fertile, but due to no electricity or unavailability of light Irrigation is most expensive. Not simply that even these days there are several regions in Pakistan wherever attributable to non-availability of electricity pumping water is additionally out of the question.



To overcome these issues we have ability to introducing our best water pumping system at a awfully reasonable price with high reliableness. star water pumps are specially designed to raise water for irrigation, husbandry farms, gardens, domestic use, drinking and alternative similar applications. These systems are best alternatives for areas wherever there's no **electricity** or insufficiency of power provide. The specially designed modules of the system will stand up to extreme climate like storm, rain and mud and air impact resistant.

**WMS Renewable** Provides best solar solutions for agriculture. We install lots of **solar water pumps** in agriculture field. WMS solar follow the Environment , Safety & Health standards (HSE) strictly while Install or deploying our **solar system for Agriculture** . We can supply different types of solar tubewell and **solar energy for agriculture**.



## Punjab Govt.'s Solar Tube Well Pakistan Scheme

Punjab being the agricultural heartland of Pakistan, produces almost 80% of the national GDP of Pakistan in the agriculture sector. Govt of Punjab has introduced a solar tube well scheme to help the farmers and landowners develop their irrigation methods so they can enhance the yield. The salient features of the **Solar Tubewell Pakistan** scheme are as follows:

1. The Govt will provide funds bearing 80% of the installation charges.
2. Famers and landowners having less than 12.5 acres of agricultural land will be will eligible.
3. The validity of this scheme is limited to the farming land where subterrene water is 50 to 80 feet **below the surface**

## Easy Financing for WMS Solar Tube Wells

Our farmers don't have that much financial capacity to get these tube wells installed on their own in lump sum payment. Now farmers and landowners can get these solar systems installed without being on their wit's end. WMS will help you throughout the process to attain financing.

## Budget Friendly Investment for Long Term

### Solar Water Pumps in Pakistan

Solar tube well prices in Pakistan are reasonable depending upon their performance capacity and specifications. It becomes a more budgeted option for farmers which will be easy on their pockets. However, it will benefit farmers in the long term in many ways. **WMS** not only helps you in getting a solar panel system for your tube well but also relaxes you by taking the worry of high electricity bills off your mind.

## Solar Water Pump Price in Pakistan

Install **Solar Tubewell Pakistan** offered by WMS, With the installation of **Solar Tubewells in Pakistan**, there will be less dependency on grid electricity which will be a sigh of relief for farmers. As electricity tariff increases after certain intervals, it will have a minimal or no effect on these farmers. The electricity bills will end up in zero for their agricultural purposes. This is a win-win situation for farmers and landowners as the electricity bills have dropped down to zero while their crops are blooming more than before.

## Uninterrupted Power Supply and Timely Production of Crop

By WMS SOLAR tube wells, the uninterrupted power supply to water the fields is ensured. The fear of power cut which is prevalent in villages will get eliminated. Consequently, farmers will reap the benefits by watering their crops on time during production. As the whole country is dependent on these crops, they will be available on time once harvested. On a bigger picture, it will not only be helping the farmers by timely irrigation of crops but shall also reap benefits for the whole nation. The better crops gained through regular watering will increase exports and have a very profitable impact on the country's economy.

## Highly Reliable and Guaranteed

The reduced or zero risk factor increases the viability and demand of these solar tube wells. It makes them more reliable and a perfect choice to serve the purpose for years. Moreover, their performance efficiency is guaranteed and this **Agricultural Solar Solution** comes with a warranty. Cost-effective and designed to deliver excellent performance, WMS solar tube wells are just what our farmers require.

## Reduced Water Pumping Cost

Reduced reliance on electricity and Petter engines to irrigate your farm.

**Grid: Rs. 7/W**

**Diesel: Rs. 30/W**

**Solar: Rs. 5.5/W**

A decrease in water pumping cost means a decrease in your cost of production and translates to a net increase in your profits.

## Spend Once; Use Tube Well For 25 years For Free

Once you have installed the solar tube well, forget about the cost of water pumping for 25 years.

## Savings Due to Longer Life

Our solar tube wells are world class; they work longer. A locally sourced system works for 3 to 5 years. Our system reliably works for 25+ years in the extreme climates, while also being warrantied for 3 years. So, you will not have to replace it for long.



# FINANCING

## Solar Financing in Pakistan

State Bank of Pakistan initiated **Solar Financing Pakistan**, through which we can encourage people who are belonging to the industrial, commercial, residential, and agricultural sector to invest in renewable energy sources. We encourage the people of Pakistan to install Solar systems on Installments in Pakistan because the benefits of going solar outweigh **the monthly installments as you can have lifetime savings for a financing period of around 5-7 years**. Now the Solar Financing Banks in Pakistan provide monetary assistance under Solar Financing Scheme in Pakistan so, if you cannot afford the solar system by paying right away, you can still afford to switch to solar with the help of the bank.

Aspiring for an ever Brighter PAKISTAN

BOK Congratulates the Nation and Launches

**ROSHANGHAR**

HOME SOLAR SYSTEM  
(ISLAMIC & CONVENTIONAL) FINANCING

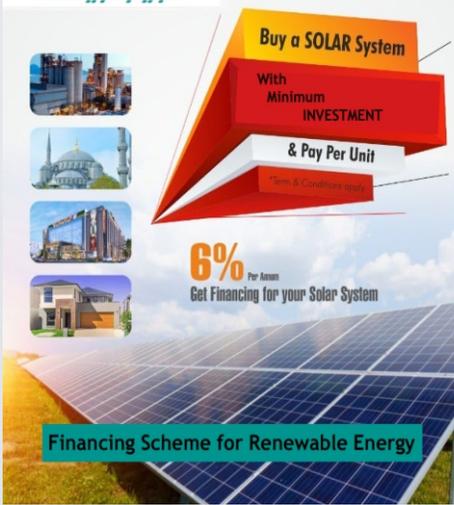


**HBL**  
HABIB BANK  
حبیب بینک

Buy a SOLAR System  
With Minimum INVESTMENT  
& Pay Per Unit  
Term & Conditions apply

6% Per Annum  
Get Financing for your Solar System

Financing Scheme for Renewable Energy



with Bank Alfalah

GET Solar System With Solution On Easy

**INSTALLMENT PLANS**

سولر لگوائیں آسان اقساط پر

**UB SOLAR**  
YOUR FINANCIAL PARTNER

Visit Us  
Shop # G-24, Midway Centre Mall,  
6th Road, Satellite Town, Raw. Ph: 051-4853105  
Mob: 0333-5506549, 0335-6255333



Your home powered by BOP



The Bank of Punjab is pleased to launch BOP SOLAR - the pioneer financing product for its customers to purchase solar power systems on easy terms and conditions.

- No load shedding
- Lower electricity bills
- Customized loan repayment plans
- Tailor made solar systems
- Environment friendly

**BOP**  
THE BANK OF PUNJAB

**JS GharApna**  
khawabon ka  
**Aashiyana**  
Solar Panel Financing

Milestone Achieved JS Bank has crossed Solar Panel Financing of **PKR 250 Million**

5MW worth of solar panel systems have been installed.

0800-011-22 | www.jsb.com  
360 Branches in 180 Cities  
f https://www.facebook.com/JSBankPK

**JS BANK**  
BARHNA HAI AAGEY

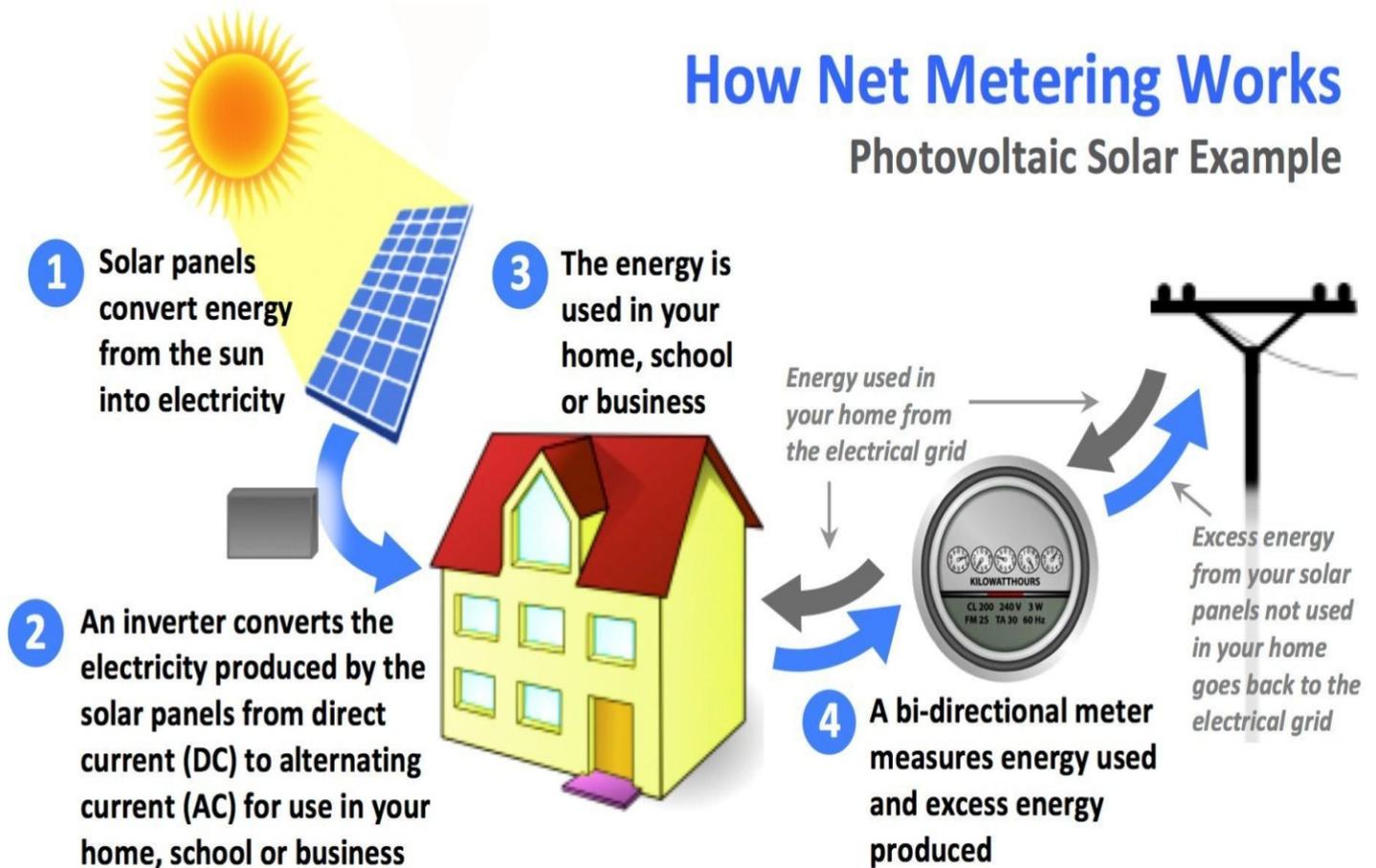


# NET METERING

Net metering is a billing mechanism that credits solar energy system owners for the electricity they add to the grid. For example, if a residential customer has a PV system on the home's rooftop, it may generate more electricity than the home uses during daylight hours. If the home is net-metered, the electricity meter will run backwards to provide a credit against what electricity is consumed at night or other periods where the home's electricity use exceeds the system's output. Customers are only billed for their "net" energy use. On average, only 20-40% of a solar energy system's output ever goes into the grid. Exported solar electricity serves nearby customers' loads.

## How Net Metering Works

### Photovoltaic Solar Example



# What is Net Metering?

LESCO has introduced Solar Rooftop Net Metering System for its valued consumers.

1. Allows LESCO consumers to install Renewable Energy Facility not exceeding 1000-kW
2. Non consumed electricity gets automatically exported to the National Grid
3. Consumers get credit for exported electricity, recorded via bi-directional energy meters

ELECTRICITY

YOU GENERATE  
WE PURCHASE

On Average one hundred plus applications for net metering are being submitted to NEPRA every month and its increasing every day. Ride the wave, join the pioneers, and be amongst the rest group of dynamic individuals to benefit from this cutting edge emerging technology. Contact us for a complete one stop solution to install your solar system and get you activated on net-metering.



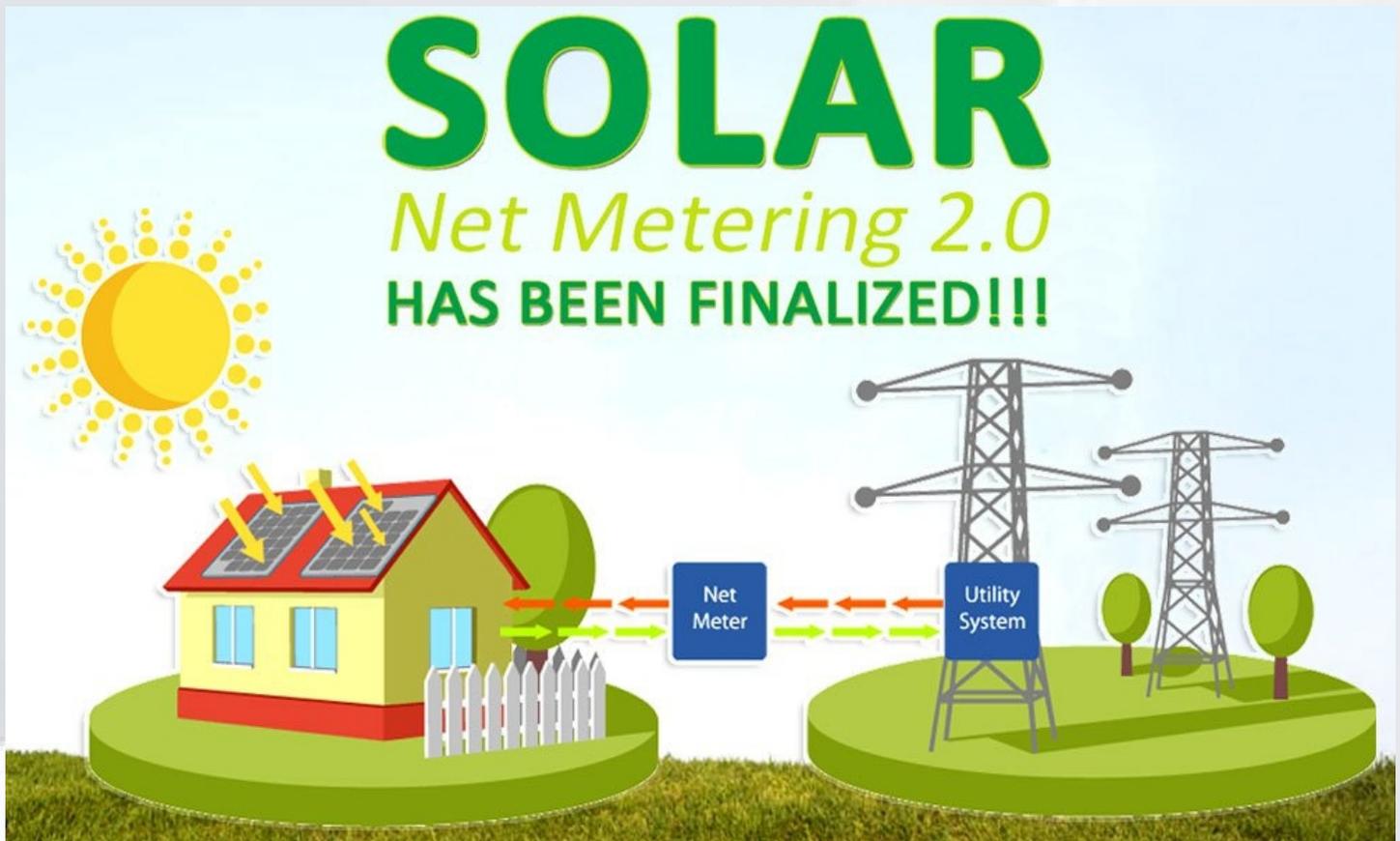
## Benefits

1. Promotion of environment friendly renewable energy sources
2. Zero emissions of greenhouse gases
3. Lessening burden on national grid by increasing generation capacity
4. Reducing grid investment
5. Minimizing line losses
6. Avoiding recurring fuel costs
7. Community participation in power generation / national development
8. Increasing gains for national economy through Clean Development Mechanism (CDM) projects

## What Do You Need?

As per the guidelines of NEPRA, you need to get:

1. Your Solar system gets Earthen
2. An external switch added to your household
3. A bi-directional meter replaces your old Electricity meter



## THE SOLAR PANELS WE HAVE

WORLD MACHINERY STORE uses the best quality of solar panels available in the market. We provide these at the most pocket-friendly price. The solar plates we have are available in a number of sizes and models with various distinguishing features. The solar panel companies we deal in are as following:



**JA SOLAR**

**TrinaSolar**

 **CanadianSolar**

The power behind the panel

 **ASTRONERGY**

**LONGI Solar**

 **risen**

**JinkO** *Solar*

## SOLAR INVERTERS WE DEAL IN

WORLD MACHINERY STORE deals in the world's best inverters that have with around 10 years of warranty that makes investing with WMS Solar Solutions the right thing to do. We deal in only the top solar inverter companies in the world which are as following:



# SERVICE LEVEL AGREEMENT

WORLD MACHINERY STORE offers Service Level Agreement which enables our valued clientele to enjoy the following perks:



## Call Maintenance

24/7 on-call maintenance service in case of complain



## Physical Inspection

Bi-Monthly physical inspection of Inverters



## Fault Detection

Fault detection of fuses and breakers.



## Charging and Discharging Status

Measuring charging and discharging status of batteries to increase their durability



## Check-up of Solar Panels

Check up of solar panels and their mounting structure



## Keeping the Customer Updates

Keeping the customer updated on the status of its system.



## Budgeting and Financing

Measuring charging and discharging status of batteries to increase their Durability



## Optimizing the Productivity

Optimizing the productivity of the overall solar powered system which will Manually provide cast efficiency



## Cleaning of Solar Panels

Bi-Monthly cleaning of solar panels with Demineralized Water pumping system will increase the solar panels' efficiency

WORLD MACHINERY STORE offers a Service Level Agreement which is a Professional Solar System Maintenance Services package. This includes testing of equipment alongside solar panels' cleaning through which we ensure 100 % productivity and effective utilization. We at WORLD MACHINERY STORE provide our customers with the best of after sale solar services across Pakistan.

Our professional services team ensures the achievement of optimal production by providing state of the art after sales services. Daily staff support is available in the office from Monday through Saturday 9:00 AM through 6:00 PM. While our teams can be reached at 0321- 4029 -460.



Assistance



Information



Feedback



Customer



Support



Responsibility



Service



Solution



Contacts

# SOLAR PACKAGES

# 3KW

## SOLAR SYSTEM

### APPLIANCES WE CAN USE

APPLIANCES	NUMBER
Lights	1
Fans	1
AC or Iron	1
(one appliance can be used at a time)	
Refrigerator	1
Water Pump	1
LED TV	1
Washing Machine	1

### SOLAR SYSTEM

Specifications	3kW Solar System
Solar Panels	Canadian Solar / Jinko Solar
Solar Inverters	GoodWe / Solis / Huawei / ABB / Fronius / InfiniSolar
Online Central Monitoring	Yes
Safety Equipment	ABB / Schneider / CNC
After Sales Service	1 Year free of Cost Service

### PRODUCTION TABLE

DESCRIPTION	VALUE
Solar System Capacity (KW)	3
Annual Solar Unit Production (Kwh)	4380
Per Unit Charge (Off-peak) – (RS)	20
Savings (RS)	80,000-90,000
Payback Period	5 Years

Payback Period 5Years

Saving Per Year(RS) 80,000-90,000

# SOLAR PACKAGES

# 5KW

## SOLAR SYSTEM

### APPLIANCES WE CAN USE

APPLIANCES	NUMBER
Lights	5
Fans	10
AC or Iron	1
(one appliance can be used at a time)	
Refrigerator	1
Water Pump	0
LED TV	1
Washing Machine	1

### SOLAR SYSTEM

Specifications	5kW Solar System
Solar Panels	Canadian Solar / Jinko Solar
Solar Inverters	GoodWe / Solis / Huawei / ABB / Fronius / InfiniSolar
Online Central Monitoring	Yes
Safety Equipment	ABB / Schneider / CNC
After Sales Service	1 Year free of Cost Service

### PRODUCTION TABLE

DESCRIPTION	VALUE
Solar System Capacity (KW)	5
Annual Solar Unit Production (Kwh)	7300
Per Unit Charge (Off-peak) – (RS)	20
Savings (RS)	146,000
Payback Period	5 Years

Payback Period 5Years

Saving Per Year(RS) 146,000

# SOLAR PACKAGES

# 10KW

## SOLAR SYSTEM

### APPLIANCES WE CAN USE

APPLIANCES	NUMBER
Lights	10
Fans	15
AC or Iron	2 AC/ 1 Iron
(one appliance can be used at a time)	
Refrigerator	1
Water Pump	1
LED TV	1
Washing Machine	2

### SOLAR SYSTEM

Specifications	10kW Solar System
Solar Panels	Canadian Solar / Jinko Solar
Solar Inverters	GoodWe / Solis / Huawei / ABB / Fronius / InfiniSolar
Online Central Monitoring	Yes
Safety Equipment	ABB / Schneider / CNC
After Sales Service	1 Year free of Cost Service

### PRODUCTION TABLE

DESCRIPTION	VALUE
Solar System Capacity (KW)	10
Annual Solar Unit Production (Kwh)	14600
Per Unit Charge (Off-peak) – (RS)	20
Savings (RS)	292,000
Payback Period	5 Years

Payback Period 5Years

Saving Per Year(RS) 292,000

# SOLAR PACKAGES

# 15KW

## SOLAR SYSTEM

### APPLIANCES WE CAN USE

#### APPLIANCES

#### NUMBER

Lights	70
Fans	30
AC or Iron (one appliance can be used at a time)	3 AC/ 1 Iron when 1AC is off
Refrigerator	7
Water Pump	1
LED TV	3
Washing Machine	1

### SOLAR SYSTEM

Specifications	15kW Solar System
Solar Panels	Canadian Solar / Jinko Solar
Solar Inverters	GoodWe / Solis / Huawei / ABB / Fronius / InfiniSolar
Online Central Monitoring	Yes
Safety Equipment	ABB / Schneider / CNC
After Sales Service	1 Year free of Cost Service

### PRODUCTION TABLE

DESCRIPTION	VALUE
Solar System Capacity (KW)	15
Annual Solar Unit Production (Kwh)	21900
Per Unit Charge (Off-peak) – (RS)	20
Savings (RS)	438,000
Payback Period	4 Years

Payback Period 4Years

Saving Per Year(RS) 438,000

# SOLAR PACKAGES

# 20KW

## SOLAR SYSTEM

### APPLIANCES WE CAN USE

#### APPLIANCES

#### NUMBER

Lights	70
Fans	30
AC or Iron (one appliance can be used at a time)	5 AC/ 1 Iron when 1AC is off
Refrigerator	4
Water Pump	2
LED TV	4
Washing Machine	2

### SOLAR SYSTEM

Specifications	20kW Solar System
Solar Panels	Canadian Solar / Jinko Solar
Solar Inverters	GoodWe / Solis / Huawei / ABB / Fronius / InfiniSolar
Online Central Monitoring	Yes
Safety Equipment	ABB / Schneider / CNC
After Sales Service	1 Year free of Cost Service

### PRODUCTION TABLE

DESCRIPTION	VALUE
Solar System Capacity (KW)	20
Annual Solar Unit Production (Kwh)	29700
Per Unit Charge (Off-peak) – (RS)	20
Savings (RS)	584,000
Payback Period	4 Years

Payback Period 4Years

Saving Per Year(RS) 584,000

# SOLAR PACKAGES

# 25KW

## SOLAR SYSTEM

### APPLIANCES WE CAN USE

#### APPLIANCES

#### NUMBER

Lights	70
Fans	30
AC or Iron (one appliance can be used at a time)	5 AC/ 1 Iron when 1AC is off
Refrigerator	4
Water Pump	2
LED TV	4
Washing Machine	2

### SOLAR SYSTEM

Specifications	25kW Solar System
Solar Panels	Canadian Solar / Jinko Solar
Solar Inverters	GoodWe / Solis / Huawei / ABB / Fronius / InfiniSolar
Online Central Monitoring	Yes
Safety Equipment	ABB / Schneider / CNC
After Sales Service	1 Year free of Cost Service

### PRODUCTION TABLE

DESCRIPTION	VALUE
Solar System Capacity (KW)	25
Annual Solar Unit Production (Kwh)	340,000
Per Unit Charge (Off-peak) – (RS)	20
Savings (RS)	650,000
Payback Period	4 Years

Payback Period 4Years

Saving Per Year(RS) 650,000

# SOLAR PACKAGES

# 30KW

## SOLAR SYSTEM

### APPLIANCES WE CAN USE

#### APPLIANCES

Lights

80

Fans

30

AC or Iron

5 AC/ 1 Iron

(one appliance can be used at a time)

when 1AC is off

Refrigerator

5

Water Pump

2

LED TV

5

Washing Machine

2

### SOLAR SYSTEM

Specifications

30kW Solar System

Solar Panels

Canadian Solar / Jinko Solar

Solar Inverters

GoodWe / Solis / Huawei /  
ABB / Fronius / InfiniSolar

Online Central Monitoring

Yes

Safety Equipment

ABB / Schneider / CNC

After Sales Service

1 Year free of Cost Service

### PRODUCTION TABLE

#### DESCRIPTION

#### VALUE

Solar System Capacity (KW)

30

Annual Solar Unit Production (Kwh)

370,000

Per Unit Charge (Off-peak) – (RS)

20

Savings (RS)

675,000

Payback Period

4 Years

Payback Period 4Years

Saving Per Year(RS) 675,000

# SOLAR PACKAGES

# 35KW

## SOLAR SYSTEM

### APPLIANCES WE CAN USE

#### APPLIANCES

Lights

Fans

AC or Iron

(one appliance can be used at a time)

Refrigerator

Water Pump

LED TV

Washing Machine

#### NUMBER

80

40

5 AC/ 1 Iron

when 1AC is off

5

2

5

3

### SOLAR SYSTEM

Specifications

Solar Panels

Solar Inverters

Online Central Monitoring

Safety Equipment

After Sales Service

35kW Solar System

Canadian Solar / Jinko Solar

GoodWe / Solis / Huawei /

ABB / Fronius / InfiniSolar

Yes

ABB / Schneider / CNC

1 Year free of Cost Service

### PRODUCTION TABLE

#### DESCRIPTION

Solar System Capacity (KW)

Annual Solar Unit Production (Kwh)

Per Unit Charge (Off-peak) – (RS)

Savings (RS)

Payback Period

#### VALUE

35

395,000

20

725,000

4 Years

Payback Period 4Years

Saving Per Year(RS) 725,000

# Our Major Clients



# PICTURES GALLERY



World Machinery Store Staff CEO Salman Farooq Country Head Hassan Mughal General Manager Tahsin Rashid meeting with LONGi Solar Regional Sales Head Jany Zhao





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