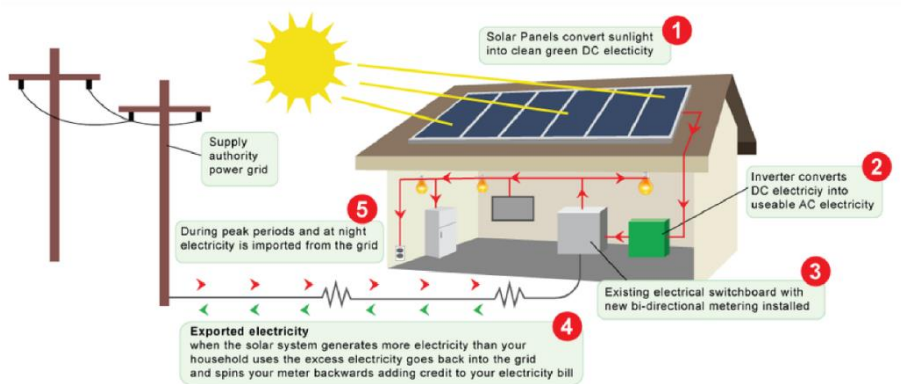


# GRID-CONNECTED ROOFTOP SOLAR PROGRAMME

(For Residential, Commercial, Industrial and Social Sector)

## Grid Connected Rooftop Solar Photovoltaic System (GCRT)

Grid-connected Rooftop Solar PV System generates DC solar electricity during daytime using photovoltaic modules. The grid-connected solar inverters convert it into AC electricity, enabling you to interconnect the system with your home or office distribution board. This way you can start using solar electricity, and the surplus is automatically exported back into the grid.



the grid. **Start saving through reduction in your electricity bill.** If you generate more solar electricity than your consumption during a billing cycle, the excess electricity will be credited your next bill.

## Capacity of GCRT can be Installed on Roof

On a flat terrace, approximately 1 kW of GCRT per every 100 sq. ft. of shadow free area can be installed. On the south facing side of a sloping roof you can install 1.5 kW of RTPV per every 100 sq. ft. of shadow free roof area. In either case you can install a RTPV system of maximum capacity of equivalent to your sanctioned connected load by your Discom. The RTPV system will generate 3.5 to 4.5 kilowatt-hour (units) per day for each 1 kW of installed capacity.

## Installers

JREDA has empaneled installers through them anyone can get installed GCRT on their roofs. List of installers is available on the JREDA website: [www.jreda.com](http://www.jreda.com) and on the AHA Solar Jharkhand Mobile app available on Google Play Store and Apple Store.

## Subsidy Available:

Plant Capacity	Rate (INR/kWp)	Subsidy for Residential Consumer	Subsidy for Social Sector Consumer	Subsidy for Industrial/ Commercial consumer
<b>Without Battery</b>				
1 to 5 kWp	72,000	INR 35,000/kWp	INR 21,000/kWp	INR 7,000/kWp
>5 to 10 kWp	70,000	INR 35,000/kWp	INR 21,000/kWp	INR 7,000/kWp
>10 to 50 kWp	70,000	INR 32,500/kWp	INR 19,500/kWp	INR 6,500/kWp
>50 to 100 kWp	61,000	INR 30,500/kWp	INR 18,300/kWp	INR 6,100/kWp
Above 100 kWp	61,000	INR 30,000/kWp	INR 18,000/kWp	INR 6,000/kWp
<b>With Battery</b>				
1 to 5 kWp	1,20,000	INR 35,000/kWp	INR 21,000/kWp	INR 7,000/kWp
>5 to 10 kWp	1,10,000	INR 35,000/kWp	INR 21,000/kWp	INR 7,000/kWp
>10 to 50 kWp	1,10,000	INR 32,500/kWp	INR 19,500/kWp	INR 6,500/kWp
>50 to 100 kWp	1,05,000	INR 30,500/kWp	INR 18,300/kWp	INR 6,100/kWp
Above 100 kWp	1,05,000	INR 30,000/kWp	INR 18,000/kWp	INR 6,000/kWp



**How to Apply for Grid-connected Rooftop Solar System:**

1. Visit Google Play Store and download “AHA Solar” (Link of android: <http://bit.ly/2xen4k4>) or Visit Apple App Store and download “AHA Solar” ((Link of iOS: <https://apple.co/2BrvFov>)
2. Register and Login
3. Use Solar Calculator to estimate capacity
4. Find Installer
5. Apply Online to JREDA for subsidy on rooftop solar system (*You need to identify the empaneled installer before applying for Grid-connected Rooftop Solar PV system*)
6. Pay a total Application Fee of Rs. 250 to JBVNL. and upload the receipt at the time of online submission. The receipt is to be uploaded at the “**Other Document to the attached**”

Up to 50 kW / 63 kVA : Rs. 250  
Above 50 kW and up to 1 MW : Rs. 750

**Document required for Subsidy Approval:**

Following document are required to be mandatorily uploaded online with Application Form for subsidy approval:

- | Sr. | Document  |
|-----|---|
| 1.  | Electricity Bill ( <i>Latest</i> )  |
| 2.  | Aadhaar Card ( <i>For Residential Consumers only</i> )                      |
| 3.  | PAN Card ( <i>For Institutions, Hospital, Commercial, Industries etc.</i> ) |
| 4.  | House Tax Holding receipt ( <i>Latest for Residential Consumers only</i> )  |
| 5.  | Agreement with JREDA’s empaneled Installers                                 |

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