



Solar Power Packs from Tata BP Solar Because 100% Computerization needs 100% Power





**The power to give the urban edge to rural banking.  
Now in your hands**

If unreliable grid power, voltage fluctuations and power cuts are playing havoc with your computerization plans, here's the perfect solution: **Solar Power Packs** from Tata BP Solar. As reliable as the sun that powers them. Modular in design. Easily adaptable to your specific requirements. And eligible for **80% accelerated depreciation benefits**.

These Power Packs - like all Tata BP Solar Products - pass the **TEST**

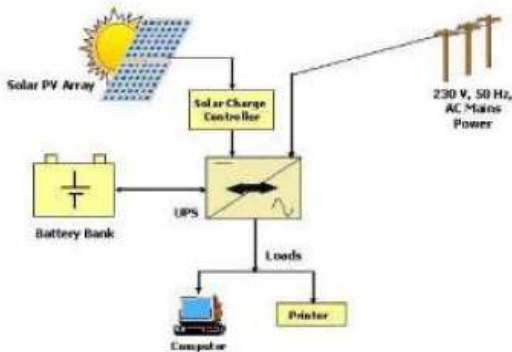
They are **energy efficient, economical and environment-friendly**

**Ready to bank on Solar Power Packs from  
Tata BP Solar?**

Let Solar Power Packs from Tata BP Solar give you the competitive edge. With reliable power to keep your computers operating competently, you can improve efficiency, increase transaction speeds and enhance customer satisfaction.

What's more, Solar Power Packs from Tata BP Solar have no recurring costs and require negligible maintenance. Factors, that you can be sure, will translate into a healthier balance sheet for your Bank!

**How does a Solar Power Pack from  
Tata BP Solar work?**



Simple. During daylight, when the sun is shining bright, the Solar Modules convert sunlight into electrical energy.

This energy is then channelised through the Solar Charge Controller and stored in the Battery Bank, which is connected to the UPS.

When Grid Power is available, the UPS feeds the energy to the loads directly, powering the computers in your bank.

In the absence of Grid Power, (Power Cuts or Voltage Fluctuations), the UPS operates in 'Inverter' Mode, using energy stored in the Battery to power the connected load.

Depending on load and usage pattern, the Batteries are charged by Solar / Grid Power, to provide adequate back-up for extended hours of operation.

**Technical Specifications**

Description	160 Wp Solar - UPS	320 Wp Solar - UPS	640 Wp Solar - UPS	1.12 kWp Solar - UPS
PV Module Rating ( Wp @ STC )	160 Wp	320 Wp	640 Wp	1120 Wp
Designed Loads	1 Computer + 1 Printer	1 Computer + 1 Printer	2 Computers + 1 Printer	4 Computers + 2 Printers
Operational Duration on Solar	2 hrs / day	4 hrs / day	4 hrs / day	4 hrs / day
System DC Voltage	24 Vnom	24 Vnom	24 Vnom	24 Vnom
UPS / Inverter Rating	1 KVA	1 KVA	1 KVA	2 KVA
Battery Size ( Ah @ C10 )	100 Ah	100 Ah	150 Ah	300 Ah
Battery Back-up Duration	Up to 8 hours	Up to 8 hrs	Up to 8 hrs	Up to 8 hrs

- Note :
- Daily Peak Sun Hours considered 5 hrs
  - Power Consumption of Computer taken as 140 Watts & Printer - 75 Watts.
  - Operating load factor of the Printer is taken as 30%, as it is not continuously operated.
  - Solar Hybrid Power Packs shall power the designed loads on Solar & Grid Power, depending on the load usage and grid availability.
  - System DC Voltage shall be 24 or 48 Vnom for bigger systems
  - Custom designed Power Packs are available for specific requirements.



**TATA BP SOLAR  
INDIA LIMITED**

78, Electronics City, Hosur Road, Bangalore - 560 100  
Tel : 080 - 2235 8465 / 5119 4230 / 5660 1300 Fax : 080 - 2852 0972 / 2852 0116  
Email : tatabp@tatabp.com Website : www.tatabpsolar.com

**Regional Offices :**

205, Abhishree, Opp. Ikon Mall, Satellite Road, Ahmedabad  
Tel : 079 - 55416676 Cell : 9825064373

No. 606-A, Gandhinagar, Jammu - 180 004  
Tel : 0191 - 2455 804

Tata Centre, 6th Floor, 43, Chowringhee Road, Kolkata - 700 071  
Tel : 033 - 2288 0452, 2288 7051 Fax : 033 - 2288 1736

No. 3010, Antelope Complex, II Floor, Main Bazaar, Leh - 194 101  
Telefax : 01982 - 251 551

D-3010, Indiranagar, Lucknow - 226 016 Tel : 0522 - 235 6664 Fax : 0522 - 235 6574

UGF 70-74, World Trade Centre, Hotel Intercontinental Complex, Barakhamba Road, New Delhi - 110 001 Telefax : 011 - 2341 1537 / 8 / 9

103, I Floor, Gera Sterling North Main Road, Koregaon Park, Pune - 411 001 Tel : 020 - 2613 8262, 2612 2344 Telefax : 020 - 4012741

No. 28, Mahalaxmi Market, Pandari, Raipur - 492 009 Chattisgarh  
Tel : 0771 - 509 4455 / 6 Cell : 98261 25561

Your nearest Tata BP Solar Dealer :



**TATA BP SOLAR INDIA LIMITED**

T1 Electronics City Hitech Rd Bangalore 560 100, Tel 080 6660 1300 Fax 080 2852 0116, Email [tatabps@tatabps.com](mailto:tatabps@tatabps.com)

**Regional Offices :**

205 Akhilesh Cpp Ikon Mill Satellite Road Ahmedabad 380 015 Tel 079 65416676 Fax 079 26925893

55-A Shanti Nagar Jammu (Cantt) 180 004 Jammu & Kashmir Tel 0191 2455804

Tata Centre 6th Floor 43 Chetwagher Road Kolkata 700 071 Tel 033 2288 0452 / 2286 7051 Fax 033 2288 1736

No 3010 Anandee Complex II Floor Main Bazaar Loh 194 101 Telefax 01982 251 551

D 3010 Indraprastha Lucknow 226 014 Tel 0522 235 6664 Fax 0522 235 6574

UGF 70-74 World Trade Centre Haveli Intercontinental Complex Barakhamba Road New Delhi 110 001 Telefax 011 2344 1537 / 8 / 9

1011 Floor Ganga Sterling North Main Road Konejasa Park Pune 411 001 Tel 020 2613 8780 / 2612 2344 Telefax 020 56012741

No 20 Mahatma Market Prudhvi Raipur 491 009 Tel 0771 409 4453 / 6

**Toll Free Customer Service Helpline**

**1800 425 7860**

Your nearest Tata BP Solar Dealer :



[www.tatabpsolar.com](http://www.tatabpsolar.com)

Due to continuous developments and product improvements, the Company reserves the right to change the specifications.



**The power to give the urban edge to rural banking**

**SUNBANK**

**Solar Power Packs for Banks from Tata BP Solar**

D:\2005\_S&C\Banc 001\Banner 01 July 2005\_S&C001\Campaign Design\Banner - Tata BP Solar Copy





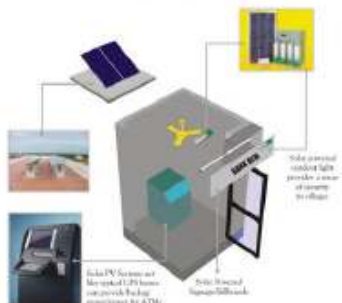
Because  
100%  
Computerization  
needs  
100% Power.



### Solar Solution for Banking Challenges

Most banks have taken large strides forward in their march to computerize rural branches for data accuracy, ease of operations and enhanced customer interaction. However, erratic power supply, very low grid voltage and frequent power cuts plus havoc with the best laid plans.

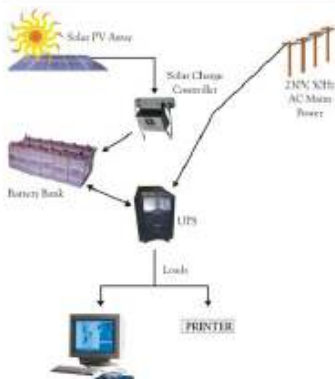
Helping you meet these challenges are Sunbank Solar Power Packs from Tata BP Solar. Specially designed as a reliable, cost-effective power solution for rural banks, Sunbank Solar Power Packs use the free, endless energy of the sun to power computers and printers. Sunbank can also be effectively used to power rural ATMs.



### Advantage Sunbank!

- Reliable, on-site source of power
- Clean, green energy - no noise or smoke pollution
- Cost-effective - no recurring costs, negligible maintenance
- Customized to meet specific requirements
- Modular design - Solar Arrays can be easily added on to meet growing needs
- 80% accelerated depreciation benefits
- Increased productivity - with reliable power to keep your computer operating consistently. This will help you improve efficiency, increase transaction speeds and enhance customer satisfaction.

### How does Sunbank work?



Simple. During daylight, when the sun is shining bright, the Solar Modules convert sunlight into electrical energy.

This energy is then channeled through the Solar Charge Controller and stored in the Battery Bank, which is connected to the UPS.

When Grid Power is available, the UPS feeds the energy to the loads directly, powering the computers in your bank.

In the absence of Grid Power, Power Cuts or Voltage Fluctuations, the UPS operates in 'Inverter' Mode, using energy stored in the Battery to power the connected load.

Depending on load and usage pattern, the Batteries are charged by Solar / Grid Power, to provide adequate back-up for extended hours of operation.

### They bank on Sunbank!

Many reputed Banks have chosen Sunbank from Tata BP Solar to power their rural branches. Here's a quick look at some of them:

State Bank of Mysore, Karnataka  
35 Nos. 320 Wp Solar Power Packs (Loads: 1 PC + 1 Printer)

Corporation Bank, Karnataka  
10 Nos. 1.28 kWp Solar Power Packs (Loads: 4 PC + 2 Printers)  
5 Nos. 1.12 kWp Solar Power Packs (Loads: 4 PC + 2 Printers)

Vijaya Bank, Karnataka, AP & Tamil Nadu  
64 Nos. 2.4 & 2.64 kWp Solar Power Generating System to charge their existing 2 & 3 KVA UPS / Battery Bank

Pragati Co-operative Bank, Karnataka  
480 Wp Solar Power Pack (Loads: 2 PC + 1 Printer)

LIC of India - Delhi, Pune, Gujarat & Rajasthan  
4 Nos. 5.12 kWp Solar Power Generating System to charge their UPS  
3.84 & 5.4 kWp Solar Power Packs (Loads: 11 PC + 2 Printers)

Karnataka Bank Ltd, Karnataka  
15 Nos. 900 Wp Solar Power Pack (Loads: 3 PC + 1 Printer)  
4 Nos. 1.65 kWp Solar Power Pack (Loads: 8 PC, 1 Pr, 1 VSAT)

Union Bank of India, Indore, MP  
5 Nos. 1.98 kWp Solar Power Generating System to charge UPS

### Quality you can count on - for years!

As India's largest Solar Company, Tata BP Solar is constantly innovating to give you more value for your money. These high quality products are backed by excellent technical sales and service support.

Tata BP Solar is a 100% Solar Company. Which means, it focuses completely on solar and its applications. Its R&D efforts translate into better, more user-friendly solutions. A fact that has been appreciated by thousands of customers across India and the world.

Tata BP Solar is a joint venture between Tata Power Company Ltd., a pioneer in the power sector in India and BP Solar, one of the largest Solar Companies in the world.



### TECHNICAL SPECIFICATIONS

DESCRIPTION	SUNBANK 160	SUNBANK 320	SUNBANK 640	SUNBANK 1.12 kW
PV Module Rating (0 p @ STC)	160 Wp	320 Wp	640 Wp	1120 Wp
Designed Loads	1 Computer + 1 Printer	1 Computer + 1 Printer	2 Computers + 1 Printer	4 Computers + 2 Printers
Operational Duration on Solar	2 hrs/day	4 hrs/day	4 hrs/day	4 hrs/day
System DC Voltage	24 Vdc	24 Vdc	24 Vdc	24 Vdc
UPS Inverter Rating	1 KVA	1 KVA	1 KVA	2 KVA
Battery Size (Ah @ C10)	100 Ah	100 Ah	150 Ah	300 Ah
Battery Back-up Duration	Up to 8 hours	Up to 8 hours	Up to 8 hours	Up to 8 hours

Note: • Daily Peak Sun Hours considered: 3 hrs  
• Inverter Consumption of all Computers taken as 180 Watts & Printer: 75 Watts  
• Operating load factor of the Printer is taken as 10%, as it is not continuous only operation.  
• Solar Hybrid Power Packs shall power the designed loads on Solar & Grid Power, depending on the load usage and grid availability.  
• System DC Voltage shall be 24 or 48 Vdc for higher systems.  
• Customized Power Packs are available for specific requirements.