

TATA POWER
BATTERY STORAGE



MYSINE

Smart Energy Storage Solutions
From Homes to Institutions

5kWh to 60kWh



HOMES & SMALL BUSINESS

WHY SHOULD YOUR LIFE ADJUST TO POWER?

You're in the middle of something important
a work call, your child studying, guests at home
and suddenly, the power goes out

Fans stop

WiFi drops

Everything comes to a halt

This isn't rare. It's unpredictable.

And even when power stays on
you still think twice before using it

because the bill keeps rising

You chose solar to take control

But power still disappears when you need it most
and nights still depend on the grid

So the question remains

**Why should your life adjust to power availability
when power should adjust to your life?**



POWER PROBLEMS YOU SHOULDN'T BE LIVING WITH



Power Outages

Sudden cuts that
disrupt your routine,
comfort, and work



Rising Electricity Costs

Monthly bills that keep
increasing, with
little control

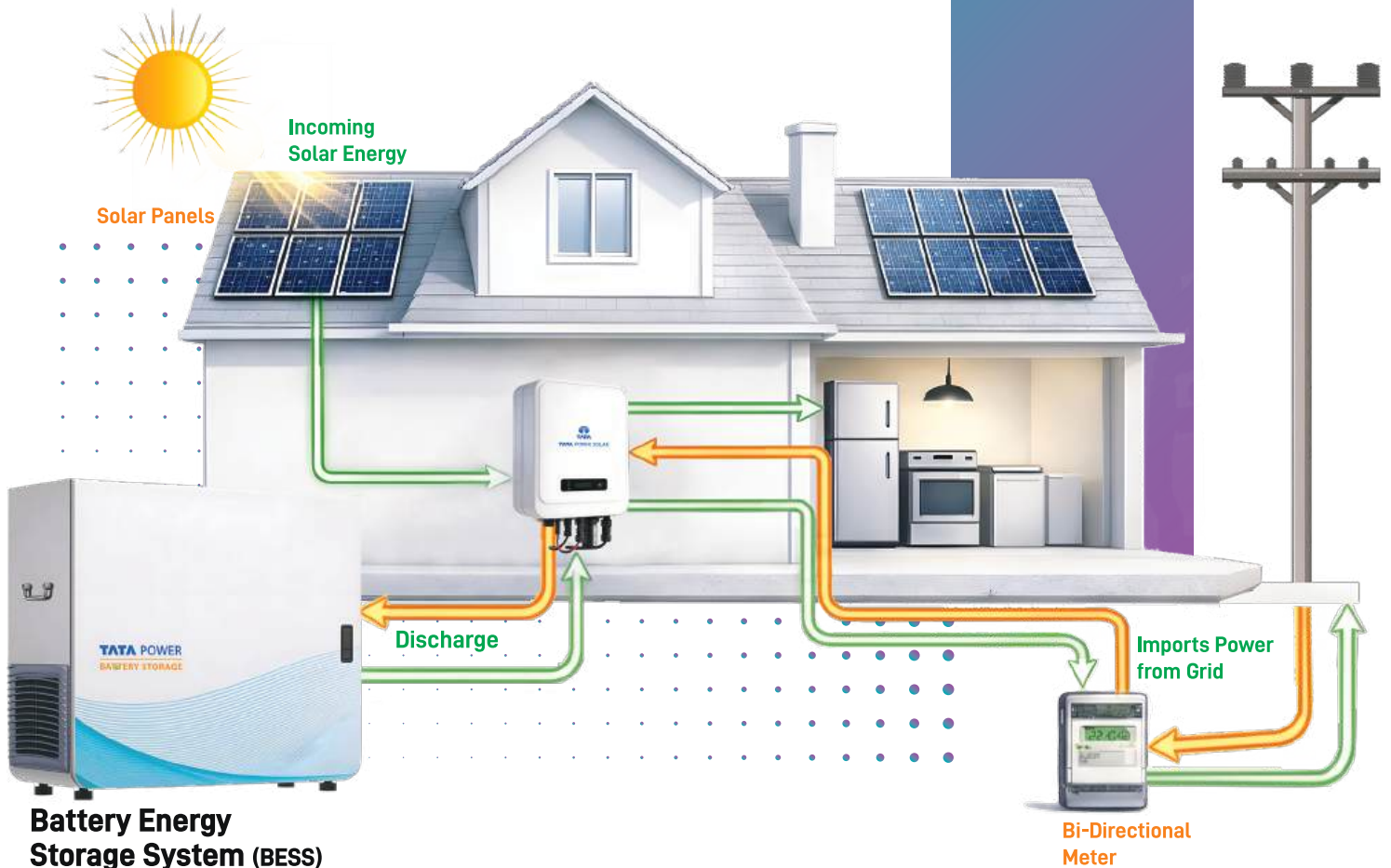


Wasted Solar Energy

Day time solar power
going unused, while you
still rely on the grid later

CHARGED BY SOLAR. BACKED BY THE GRID. READY FOR YOU

- Captures and stores excess solar energy for optimal use
- Seamlessly charges from the grid when solar isn't available
- Smartly balances power between solar and grid
- Ensures uninterrupted power, day and night



**Battery Energy
Storage System (BESS)**

KEY FEATURES



Smart Energy Storage:
Automatically stores excess solar energy



Instant backup:
Seamless switching during power cuts



Silent operation:
No noise, fumes or vibration



Stable Power Output:
Unaffected by Grid Fluctuations



Savings:
Lowers electricity cost with smart energy storage



Dual Charging Advantage:
Can be charged using both solar and grid

MySine Prime



Best for : Homes and Apartments

Energy capacity

Approximately 5 kWh nominal

Backup time

~2 hours backup at ~50% load

Design

Compact residential friendly system

Installation

Wall or floor mounted

Warranty

8 Year warranty

Best for: Small Businesses / Commercial

Energy capacity

10 kWh to 60 kWh scalable (in units of 5 kWh)

Key advantages

Expandable battery capacity

Supports higher loads

Longer backup duration

Ideal for clinics, Petrol pumps, schools, showrooms and offices

MySine Prime Plus



TECHNOLOGY HIGHLIGHTS

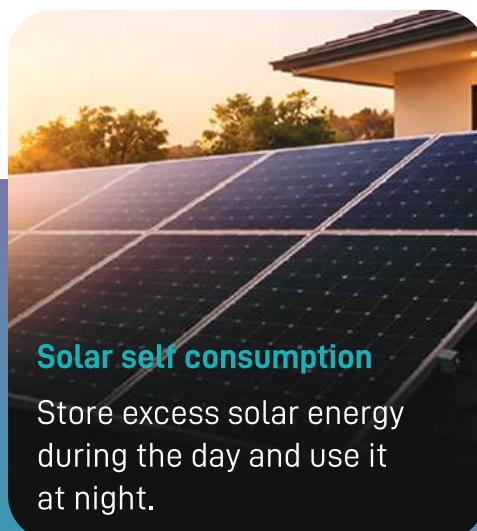
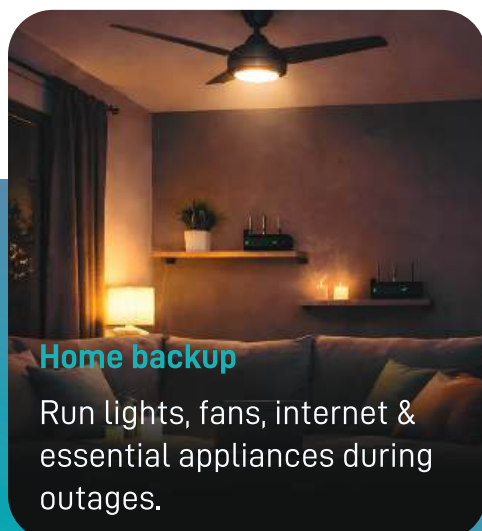
Lithium Iron (LFP) Phosphate battery chemistry	High efficiency hybrid energy storage	Automatic switching between solar, battery & grid	Designed for Indian operating conditions
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LFP Vs Lead Battery

Over 10 years, lead batteries cost ~1.5× more than LFP due to shorter lifespan and lower usable energy.

Feature	LFP Battery Advantage	Traditional Power Backup
Battery Type	LFP (Lithium Iron Phosphate)	VRLA (Lead Acid)
Switchover Time	Instant, less than 10 ms	Slower, 10 to 20 ms
Battery Life	Long 8-10 Yrs. (6000+ charge cycles)	Short 3-5 Yrs. (2000 cycles)
Energy Storage	3x more storage in the same space	Much lower storage
Size & Weight	Compact & light	Bulky & heavy
Usable Energy per Cycle	85-90%	50-70%
Maintenance	Zero maintenance	Regular water top-up and checks needed
Charging Time & Efficiency	Fast: Fast: 2-4 hrs	Slow: Slow: 6-9 hrs
Eco-Friendliness	Safe, non-toxic, recyclable	Contains toxic lead and acid
Battery Protection	Intelligent Battery Protection (BMS Enabled)	None

TYPICAL APPLICATIONS



	Prime	Prime Plus
Typical Users	Home and Apartments	Small Business / Commercial
Storage Size	Small	Medium
Energy Capacity	5 kWh	10–60 kWh
System Type	Hybrid	Hybrid
Installation	Indoor	Indoor
Cooling	Air cooled	Air cooled
Product Lifetime	≥10 years	≥10 years
Inverter & Power Conversion Specifications		
Protection Rating	IP21	IP21
Inverter Type	Hybrid	Hybrid
AC Output Voltage	230 V	400 V
Grid Configuration	Single phase	3 phase (4W)
Backup Switch Time	<10 ms	<3 ms
Max Efficiency	≥97.6%	≥97.6%
Power Quality (THDi)*	<3%	<3%
In-built UPS	Yes	Yes

*THDi (Total Harmonic Distortion of current): THDi < 3% indicates very high power quality, ensuring safe operation of sensitive electrical equipment.

POWERED BY TRUST BACKED BY EXPERIENCE

When you choose a solar solution, you're not just choosing a product you're choosing a partner you can trust on for years to come. With Tata Power Solar, you get the strength of decades of expertise, a proven track record, and a commitment to powering homes across India with reliability and care.

From consultation to installation and long-term support, every step is designed to give you complete peace of mind so your transition to smarter energy is smooth, dependable, and future-ready.

BUILT FOR INDIA. READY FOR EVERY CONDITION

From urban rooftops to extreme environments like Leh, our systems are designed to perform reliably across diverse and challenging climatic conditions so you can count on consistent power, no matter where you are.

WHY CHOOSE TATA POWER SOLAROOF

37 + Years of EPC Expertise

Deep industry experience delivering reliable solar solutions across India

4 Lakh + Happy Customers

Trusted by homeowners and businesses nationwide

4.3 + GW Rooftop Installations

Proven scale and capability in solar rooftop execution

700 + Channel Partners

Strong on-ground presence ensuring seamless service and reach

Nationwide Service Network

Reliable support wherever you are

Easy Financing Options

Flexible plans to make switching to solar simple and affordable



TATA POWER

BATTERY STORAGE



▲
5kWh



▲
10 kWh
to 60 kWh

POWER YOUR HOME & BUSINESS WITH SMART ENERGY STORAGE

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OR
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