

TATA SOLAR DYNAMO™

300~1000VA - Your personal roof top solar power generators



Power your home for up to 8 hours*

Shown is a typical household load of 800 W

	1 x 200W Computer
	1 x 150W Televisions
	4 x 40W Tubelights
	5 x 10W CFL bulbs
	4 x 60W Ceiling fans



FEATURES

- Proven, long-lasting modules with consistent power output for 25 years
- Low maintenance, long-life batteries
- In-built electrical protection for personnel and equipment
- Certified IP21 PCU enclosure for indoor use
- Wide operating temperature range from 0 to 50°C
- Movable/fixed structure designed to withstand 150kmph wind speed**

BENEFITS

- Solar power - on demand
- Saves on fuel costs of generator set
- Smooth sine wave enables functioning of supported appliances
- Standard warranty of 1 year, extended warranty available

COMPONENTS

- Solar array ranging from 100 to 1120 Wp
- Long-life, deep-cycle battery ranging from 75 to 180 Ah
- Safe and secure PCU ranging from 300 to 1000 VA
- PV structure with desired tilt
- Other power ratings and voltage configuration on request

(for more details, please see overleaf)

* Based on typical household loads and typical ratings. Check specific wattage of the appliance you are using.
 ** Other wind speed specifications can be met on request

Inverter is TUV certified, Modules are IEC 61730-1, 2, IEC 61215, IEC 61701, UL 1703 certified



Our products in this range **Dynamo**



	100	160	210	1100/1100*
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FEATURES				
Panel sizing	Panel sized to charge the battery			
Power output (VA)	300	1000	600/1000	1000
Recommended load and usage duration	60W for 4h	90W for 4h	120W for 4h	800W for 4h/800W for 8h
PCU output AC voltage (V)	230 +/- 5%			
Over-load capacity (for 10 secs)	5%			10%
PCU mounting (indoor)	Floor-mounted			Wall-mounted
Supply power priority	Primary: Grid, Secondary: Battery			User selectable (PV/Grid priority)
Battery charging priority	Solar + Grid			User selectable (PV/Grid priority)
Voltage operation range on AC mains (V _{ac})	110-270/180-260			145-260
Enhanced battery backup operation	Allows wide voltage range grid operation			Operates with built in AVR
Optional communication port (RS232/USB/Ethernet)	No			Yes
PCU status indicators	LED display			LED and backlit LCD display
Change-over time from AC mains to battery/PV (ms)	< 10			< 8
No load energy saving mode	Manual			Automatic
BENEFITS				
Savings from diesel consumption in a year (₹)*	9,000	18,000	18,000	27,000
COMPONENTS				
PV array wattage (Wp)	100	160	210	1120
12V battery (AhxQty.)	120x1	75x2	120x2	180x2/180x4
PCU rating (VA)	300	1000	600/1000	1000

Specifications are subject to change without notification
* Assuming Dynamo 1100 replaces a Diesel Generator set using diesel at an average cost of ₹ 50 per litre, consuming 1.5 litres per hour

Tata Power Solar is committed to enabling solar everywhere and bringing the power of the sun to people in the most efficient and cost effective way possible.

YOUR LOCAL DEALER

	25th year of operations Over 24 million lives touched		Nationwide network of over 1000 dealers and service centres
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	For sales, service and other enquiries	Call toll free 1800 419 8777	or sms 'TPS' to 56677
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www.tatapowersolar.com