



## Patna's 15-year-old student Pranav made Smart Inverter Many Times Cheaper than the market

### Why in News?

According to information received from the media on August 3, 2023, Pranav, a student of Patna, has made an inverter with a touch screen many times cheaper than the inverter available in the market at the age of just 15 years.

### Key Points:

- According to the information, Pranav got success in the 17th time and the smart inverter was ready.
- The inverter has a touchscreen display. All kinds of indicators are given on the touchscreen display. The most important thing is that this inverter is many times cheaper than the inverter found in the market.
- This inverter can give a backup of up to 3 hours when used with a very high load. Fans, bulbs, iron, and mixers can also run on it.
- Its system is designed in such a way that if there is a short circuit anywhere in the house due to this inverter, then it can automatically cut the power. There is also a bypass switch, which can cut power when overloaded.
- This smart inverter has a book-shaped battery, which is installed in the inverter itself. Its size is 25 cm in length, 18 cm in width and 3 cm in height.
- This battery is a lithium-ion dry cell, which is low cost and low weight. Its efficiency is 92%.



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