

REVOLUTIONISING MOBILE X-RAYS: PEB TECHNOLOGY POWERS THE FUTURE

Battlefield to Bedside

In World War I, Marie Curie's "Little Curie" revolutionised medical care with the first mobile X-ray. This innovation on the front lines of World War I, saved numerous lives.

Today, the mobile X-ray technology has evolved, prioritizing clarity, accessibility, and safety for patients in hospitals and remote areas.

The Bottlenecks

While traditional mobile X-rays provide crucial aid in medical care, they have their limitations. They often produce blurry images and require high radiation doses to produce decent images. Heavy traditional mobile X-ray machines also demanded extra power and accessing these bulky and heavy machines was challenging as well.

Modern Solution

Modern X-rays leverage innovations and digital imaging techniques like high-frequency inverters and high-resolution detectors resulting in intricate details allowing doctors to pinpoint abnormalities with greater speed and accuracy. And also produced mobile X-ray machines that are smaller and more powerful.

Introducing PEB Tech

Pulse Energy Bank (PEB) technology is the game-changer that will power the future. Pulse charging-discharging techniques and advanced energy storage mechanisms, optimise the conversion of input power to output x-ray power, allowing an 8kW X-ray machine to run on just 2kW. It can effectively operate from a standard power outlet without the need for special wiring. The PEB Tech makes the machine immune to power fluctuations and enables operation from a small generator or home inverter ensuring remote accessibility. The PEB Tech makes the machine compact and portable.

PEB Technology in India

The ALERIO Smart 8000 DX is the first mobile X-ray machine in India to be equipped with PEB technology. It is designed and developed in India, safety-certified, type-approved, and comes with ALERIO's after-sales support and warranty.

The Future Power

In the near future, mobile X-rays will be as powerful and efficient as fixed X-rays. It will no longer be needed to plan for expensive electrical wiring and set-ups for the X-ray rooms. Powerful and Compact X-ray machines like ALERIO Smart 8000 DX will run on compact battery banks, offering quick and precise imaging without major infrastructure investments.

ALERIO Smart 8000

DIGITAL MOBILE X-RAY SYSTEM

ALERIO[®]
X-RAYS



DIGITAL MOBILE X-RAY

Powered Using **PEB TECHNOLOGY**

8kW 40-120kV 150mA 250mAs

- » Dynamic
- » Compact
- » Contemporary



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