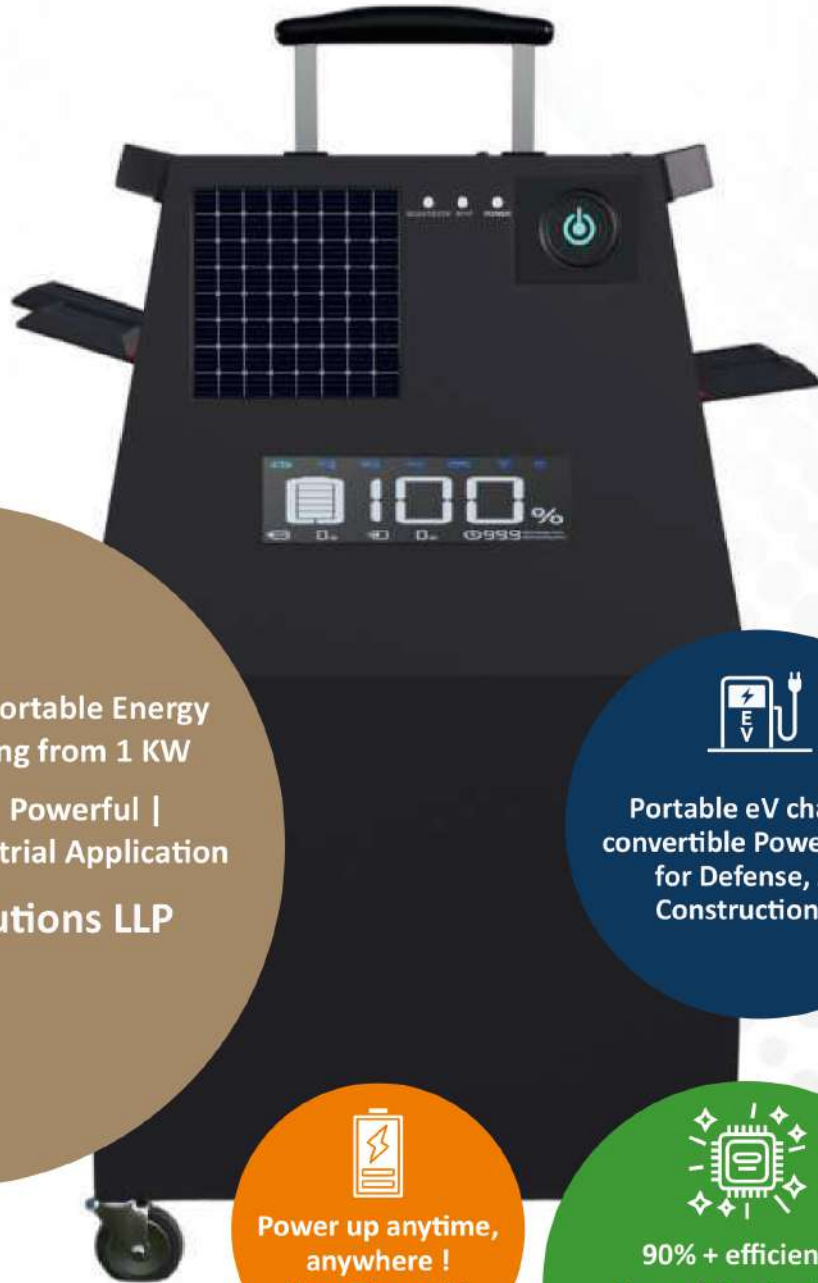




Clean Energy



**ThoR / S – Advanced Portable Energy  
Solution / Power rating from 1 KW  
to 20 KW Reliable | Powerful |  
Versatile to fit any Industrial Application**  
**SBB Energy Solutions LLP**



Portable eV charging,  
convertible Power station  
for Defense, Agri,  
Construction tool



Power up anytime,  
anywhere !  
Stay Charged !



90% + efficiency,  
top safety standards  
Designed & developed in  
collaboration with IIT-GN  
team, Made In India



Government of India

**#startupindia**

DIPP176312



Renewable Energy

## ThoR / S – The Ultimate Power Solution – Portable, Durable & Long lasting

ThoR / S is a high-performance energy solution, built for off-grid usage and critical applications. It features **Lithium Iron Phosphate (LFP) technology**, ensuring long life, high efficiency, and reliability. Designed with advanced **GaN's technology**, it offers **low heat loss and high power output**.

### Key Features



#### Powerful and Versatile

Supports AC/DC devices ; Power output : 1 KW to 20 KW



#### Long-Lasting Battery

Ensures uninterrupted power for hours



#### Fast Charging

Quick recharge for continuous operation, Built in Platform to charge from Renewable source



#### Safe and Reliable

Equipped with multiple safety features, RoHS, IS, IEC certification from NABL Labs



#### Compact & Portable

Easy to carry and transport, Sturdy, built to last

Carbon / Glass fiber enclosure – Built for Heavy duty application (MIL GRADE) – remote & Outdoor app.



## Product Properties

- **Battery Type** : Industrial-grade **LFP**
- **Capacity** : 200 AH to 1200 AH (Customized to suit your needs) – expandable
- **Max Power Output** : 1KW to 20 KW (AC/DC)
- **Optimal PowerSurge** : Min. 400 W DC | Max. 1 KW to 20 KW (AC 220V/50Hz)
- **Backup Duration** : 4 to 30 hours (depending on load)
- **Noise Level** : <28 dB
- **Thermal Runaway Tech** : Ultra low Heat Signature
- **Build** : Carbon/Glass fiber robust enclosure - Build to last 10 Year
- **Temperature Range** : -8°C to 74°C
- **Weight** : 5.4 Kg to 115 kg (custom build - including carry case)
- **Dimensions** : 80 x 55 x 36 cm(Std)
- **Connectivity (Optional)** : Bluetooth, Wi-Fi, GPRS, IoT-enabled – inbuilt
- **Expandability** : Parallel connection available (Max 200 AH expansion pack)
- **Certification** : IS, RoHS& IEC standards compliance, NABL certification



Electric Vehicle



Circulation



## Discharging Ports

- **USB Type A & C** : 2x USB-A, 2x Type-C Fast Ports
- **AC Output** : 4 ports (220V/50Hz)
- **DC Voltage Outputs** : 12V / 9V / 7.5V / 5V (Max 10A)
- eV charging port (optional) : 24/48 V @ 60 A for 2W/ 3W /4 W*



## Charging Options

- **Solar panel flexible type** : 1 port @ 24 -48 VDC /120 A ( support upto 5KW)
- **Wind Input** : 1 port @ 24VDC /60 A
- **Vehicle Charging** : Car adapter port available 12V /24 V @ 7 A
- **Grid AC Inlet** : 1 port each – 220 V AC / 50 hz



## Safety Features

- Overcharge Protection
- Short Circuit Protection
- Overheat Protection
- BMS Safety with 36 Checkpoints
- Certified per IS & IEC Standards , NABL certification, RoHS compliance



## ThoR / S is Ideal For

**Critical & Essential off Grid Equipment** – Ensures seamless power supply for critical operations disaster management and Mirco Grade Power Solutions.

**eV charging station with Hybrid Renewable source (Solar / Wind), Plug and Play with 'ThoR' /S series energy storage solution**

**Medical & Emergency Services** – Supports CPAP, AED units, ICU ventilators, and life-saving devices

**Radio Communication & Monitoring** – Fast charging for GPS, SAT communication, and mobile devices

**Emergency Sky Light & Laser Systems** – Powers lighting and monitoring devices for up to 400 hours

**Outdoor enthusiast and events** – Energy solution with 'ThoR' series , off grid

**Standby Power Backup** – Retains optimal charge standby for up to 60 days with minimal power loss less than 1%

**Construction tools and equipments, Agri Tech**

**Defense and Advance tech power solution - Drones, UAV, UWV**



## Warranty & Service Life



**Standard Warranty :**  
5 Years



**Battery & Service Life :**  
7-10 Years (Upgradable)



**AMC**  
(Annual Maintenance Contract)  
Available for 5 years

## How to Reach Us

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**GeM Seller Id: OPE8240012784067**

## Incubation and Technology Partner



**Savli Technology  
& Business Incubator**  
Government of Gujarat

**IIEC**  
IIT GANDHINAGAR

  
संस्कृत मंत्र  
Department of Science and Technology  
Ministry of Science and Technology  
Government of India

 **DST NIDHI**  
START-TO-SCALE STARTUP SUPPORT

  
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IIT HYDRABAD

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 **UDYAM**  
REGISTRATION  
IN INDIA  