



INTRODUCING THE SOLAR PACK SYSTEM: EMPOWERING ASSET TRACKING EVERYWHERE

Discover the Future of Sustainable
Asset Tracking with Solar Power

INTRODUCTION

Welcome to the Gambus Solar Pack System: Empowering Asset Tracking Everywhere



At the forefront of innovation, we proudly introduce the Solar Pack System – a groundbreaking solution that harnesses the power of the sun to revolutionize asset tracking. In environments where traditional power sources are scarce, our solar-powered system empowers you to track your assets with unwavering efficiency and sustainability.

As you delve into the following sections, you'll discover how the Solar Pack System is reshaping the landscape of asset tracking, ensuring that you stay connected to your valuable resources, even in areas without access to conventional power. With our commitment to cutting-edge technology and environmental responsibility, we invite you to explore the possibilities that solar power brings to asset tracking.

Join us on this journey as we introduce you to a new era of sustainable asset tracking with the Solar Pack System. Embrace the power of the sun and experience the freedom to track your assets wherever they may be, powered by clean, renewable energy. Your assets, our innovation – a brighter future for tracking.

FEATURES AND BENEFITS

Unlocking the Potential of Solar-Powered Asset Tracking

Explore the array of advantages that Solar Pack brings to asset tracking, redefining the way you monitor your resources in areas with limited access to conventional power.

Sustainable Power Source

Harness the Sun's Energy: Solar Pack utilizes solar panels to convert sunlight into reliable power, ensuring continuous asset tracking without relying on external electricity sources.

Eco-Friendly Operation: Embrace eco-conscious practices by reducing your carbon footprint and contributing to a cleaner environment.

Remote Accessibility

Tracking Beyond Boundaries: With Solar Pack, track assets in remote, off-grid locations that were previously challenging to monitor effectively.

Uninterrupted Coverage: Stay connected to your assets in areas where power infrastructure may be lacking, ensuring comprehensive and reliable tracking.

Cost-Efficiency

Lower Operational Costs: Eliminate the need for traditional power sources, reducing operational expenses associated with fuel and electricity.

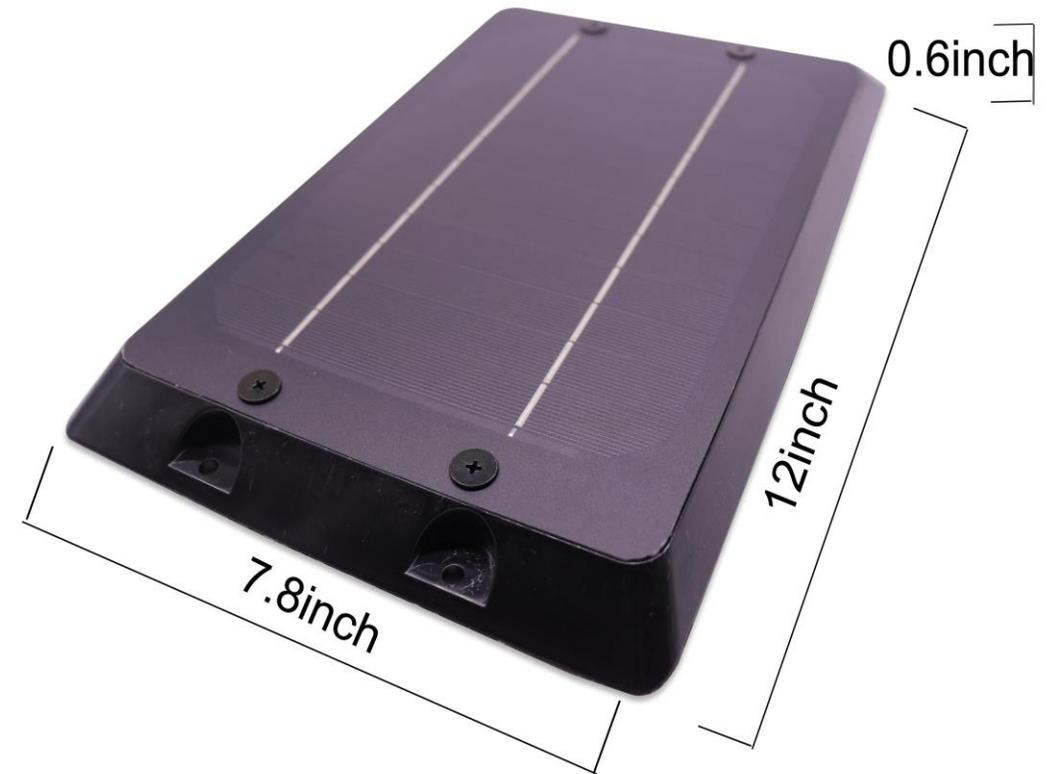
Long-Term Savings: Experience cost savings over time as Solar Pack's sustainable energy solution requires minimal maintenance and has no recurring fuel costs.



THE DEVICE: GAMBUS 4G SOLAR POWERED LONG-STANDING GPS TRACKING DEVICE

FEATURES

- big size solar panel for better solar power supply
- ultra low power consumption with sleep mode function
- Easy installation and simple user manual
- Solar panel power support
- Waterproof IP67
- 10000mAh li-polymer battery
- GPS/Beidou/Golnass
- 4G | LET CAT M1
- Strong magnets supports (4pcs, optional accessories)
- tire pressure monitoring (optional)
- temperature monitoring (optional)



DEVICE DESCRIPTION



Industry level ULTRA LOW Consumption MCU

- Power consumption uA level
- Complete device consumption less than 1 mA in sleep mode
- Working mode standby consumption 25mA
- Peak value 50mA when unit is sending data to server



Solar Panel Output: Maximum 1000mA output

- Unit Power Consumption: Less than 1mA in longstandby mode
- Sleep mode: 14mA
Standby mode: 25mA
- Power Supply Mode: DC, Solar pannel or both
 - Solar Panel Dimension: 310* 195mm



all GNSS compatible: GPS, SBAS, QZSS, GLONASS, BeiDou, Galileo

- Sensitivity: Tracking & Nav: -167 dBm
- Cold start: -148dBm | Hot start: -157dBm
- Position Accuracy: 2.0m CEP
- Acquisition: Cold starts: 26s | Aided starts: 2s | Reacquisition: 1s



4G module

- B1/B3/B8/B28 @ LTE FDD, B1/B8 @ WCDMA(Europe, Middel East, Africa)
- B2/B4/B12/B113/B25/B26@LTE FDD, B2/B4/B5@WCDMA(North America)
- Transmit Protocol UDP, TCP, SMS



Smart Power Management

- 10000mAh Battery Built in
- Smart charging with both DC/Solar
- Power Supply Mode: DC, Solar pannel or both



Power Supply: DC 9-45V

- Sim Card Socket: Micro SIM Card
- Micro USB: For Firmware update, configuration
- Inner Memory: 16Mb SST flash login in blackspot 3C
- 1-wire: for temperature sensor(with 3.3v and GND)
- Analog input: 1 for detecting voltage level

HOW IT WORKS

Efficiency in Solar-Powered Asset Tracking

Unveil the seamless process that powers Solar Pack's innovative solar-driven asset tracking system, ensuring reliable performance and uninterrupted connectivity.

Solar Panels and Battery Storage

- Sunlight Conversion: Solar panels absorb sunlight and convert it into electrical energy, providing a continuous power source for asset tracking.
- Energy Storage: Excess energy is stored in a high-capacity battery, ensuring a steady power supply even during cloudy or low-light conditions.

Smart Power Management

- Intelligent Distribution: Solar Pack's advanced system intelligently manages power distribution, optimizing energy usage for optimal asset tracking performance.
- Adaptive Operation: The system adjusts power allocation based on asset tracking needs, maximizing efficiency without compromising tracking reliability.

Uncover the brilliance of Solar Pack's solar-powered asset tracking technology, where sunlight is transformed into consistent and dependable power. Dive into the heart of our intelligent energy management, ensuring your assets remain connected and tracked seamlessly, day and night.



APPLICATION

- Gambus 4G Solar Powered Long-standing GPS Tracking Device
- It has been designed for challenging conditions such as trailers, containers, boxcars, mining equipment, stationary and remote asset monitoring where permanent DC power supply is not always available. This robust all in one unit offers Solar panel, IP68 rating, large battery capacity, and the added advantage of a solar panel interface. The unit has been rigorously tested on the trailer and remote assets for than 4+ year with the design upgraded several times after the test results gained from real installation.
- We Can apply this device in where?



Trailers



Containers



Box Cars



Mining Equipments



Remote Assets



Class 8 Tractor



Trailer



Transit

APPLICATION



Class 4-6 Delivery



Off-Road Heavy Equipment



Personal Utility Vehicles

How is the gps tracking device configured?

- via SMS
- via gprs/3g
- via configuration software

Accessories

Optional: 4 magnets

WHY CHOOSE SOLAR PACK:

ELEVATE YOUR TRACKING EXPERIENCE

Discover the compelling reasons to choose Solar Pack as your go-to solution for sustainable and efficient asset tracking.

Innovative Solution

- Cutting-Edge Technology: Solar Pack showcases our commitment to pushing the boundaries of asset tracking, introducing a forward-looking approach that aligns with modern sustainability trends.
- Next-Level Connectivity: Embrace a future-ready tracking solution that combines innovation and environmental responsibility.

Reliability and Durability

- Built to Last: Solar Pack is engineered with quality and durability in mind, ensuring consistent and dependable asset tracking performance in various conditions.
- Weather-Resistant Design: Our system is designed to withstand the elements, guaranteeing reliable operation even in challenging weather environments.

Customer Support

- Dedicated Assistance: Our customer support team is ready to provide guidance, assistance, and answers to your inquiries, ensuring a seamless experience throughout your journey with Solar Pack.
- Timely Responses: Count on us for prompt and helpful responses, whether you have questions about installation, operation, or troubleshooting.

Choose Solar Pack for a superior asset tracking solution that combines innovation, reliability, and exceptional customer support. Experience the confidence of sustainable tracking, where your assets are always within reach, powered by the sun's renewable energy. Join the Solar Pack community and take your tracking capabilities to new heights.

DISCLAIMER AND RESPONSIBLE USE

Guidelines for Positive Impact

Explore How to Utilize Solar Pack Responsibly and Maximize its Benefits.

Solar Pack Usage

- Responsible Application: While Solar Pack enhances asset tracking, it's important to remember that it may not cover all tracking scenarios. Complement Solar Pack with other tracking methods where needed.

Safety and Environment

- Prioritize Safety: Follow safety protocols during installation and operation to ensure your well-being and that of others.
- Eco-Friendly Practices: Embrace the environmentally friendly nature of Solar Pack, contributing to a cleaner and greener world.

Professional Consultation

- Expert Advice: Solar Pack is a valuable tool, but it's not a substitute for professional advice. Consult experts for comprehensive insights into your specific tracking requirements.

Privacy and Data Usage

- Data Handling: We treat your data with utmost respect and confidentiality. Refer to our Privacy Policy for information on data collection, usage, and storage.





THANK YOU

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