



**THUNDERHORSE**  
AUTOMATION

PUT POWER WHERE YOU NEED IT

# SMART SOLAR SKID

## Revolutionizing Remote Power, Control & Monitoring Solutions

In today's ever-evolving world, Thunderhorse's Smart Solar Skid (S3) is a groundbreaking product that offers a transformative solution to integrate remote instrumentation and end-devices. The S3 provides a comprehensive, efficient, cost effective, and proactive solution that delivers seamless device monitoring, reduces risks and maximizes productivity.

### THE CHALLENGE

Remote locations are often characterized by their isolation and lack of power and/or connectivity. These factors present immense obstacles for monitoring and maintaining instrumentation because the infrastructure needed to do so is non-existent and extremely costly; upwards of over \$20k to get power to a remote location! Traditional methods of monitoring, which involve manual checks by on-site personnel, are not only time-consuming and costly but also prone to human errors. Additionally, potential leaks or mishaps can result in substantial financial losses or environmental problems making it imperative for businesses to adopt proactive measures to safeguard their assets and prevent costly damages.

### SMART SOLAR SKID BENEFITS

**Proactive Monitoring:** The S3 is a vigilant set of eyes, continuously monitoring instrumentation and end-devices in real-time.

**Real-Time Insights:** Immediate availability of data empowers decision-makers with accurate and up-to-date information.

**Rapid Deployment:** The S3's streamlined design and efficient build process enables custom-built units to be delivered within days, not months.

**Flexibility & Mobility:** While often used in one location, the S3 can be easily moved to adapt to changing operational needs.

**Cost-Effective:** The S3 offers substantial short and long-term cost savings as compared to permanent utility infrastructure alternatives.



## SMART SOLAR SKID BENEFITS

Developed by experts in the field, the S3 is a practical solution designed to revolutionize monitoring in remote and challenging environments. Leveraging cutting-edge technology, it offers a seamless and efficient system for tracking various gauges from the convenience of a mobile phone. Operators can either remotely access, or integrate into a local network, real-time data and crucial insights on flow rates, pressures, levels, and other critical parameters, enhancing their ability to make informed decisions without the need for physically visiting location.

The S3's versatility sets it apart as a comprehensive monitoring and controlling solution. It is equipped with solar arrays, deep-cycle battery banks, and industry leading radio equipment. An HMI touchscreen can also be added to give a local user instant readouts and feedback from the system. To ensure seamless connectivity in remote areas, the Skid acts as its own mobile hotspot, utilizing the nearest cell tower for continuous data transmission.



**The Smart Solar Skid  
OPTIMIZES productivity,  
REDUCES downtime, &  
HELPS AVOID costly  
breakdowns & leaks.**



## HOW CAN THE S3 HELP YOU?

Thunderhorse's S3 distinguishes itself with a host of exceptional features and benefits, setting new standards in the realm of monitoring and controlling hardware. The most significant differentiator is the speed and convenience it offers. Traditional methods, which often require a person to drive around to locations and manually observe and operate systems, can consume valuable time, leading to delayed responses and potential risks.

In contrast, with the S3, data is instantly available, and can be assessed by a user's cell phone. This immediate access enables users to be in the know at all times, empowering them to take timely actions, prevent potential issues, and mitigate risks efficiently.

**Empowering Remote Industries with Cutting-Edge  
Solutions for Enhanced Efficiency**



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