



SOLAR SECURITY + LIGHTING SOLUTIONS FOR RAIL

1800 161 162
RAPIDPOWERSYSTEMS.COM.AU
SALES@RAPIDPOWERSYSTEMS.COM.AU

We're solar security innovators.

Rapid Power Systems are the premier provider of solar powered security and connectivity solutions. Our curated range includes a variety of solar powered surveillance trailers and temporary and fixed pole-mounted security and monitoring systems.

Our comprehensive range has been designed to cater for a variety of environments and sectors, including but not limited to rail, agriculture, construction, events, government and defence, warehousing and distribution, utilities and remote and off-grid worksites.

Rapid Power Systems combine innovative designs with reliable technology. This ensures our customers

reliably receive the best fit for their needs, each and every time. With pre-made kits and trailers readily available, our solar security solutions utilise industry leading CCTV equipment from powerhouse brands including Dahua and Hanwha Vision. Combined with premium solar panels and controls, we offer turnkey solar security and connectivity solutions.

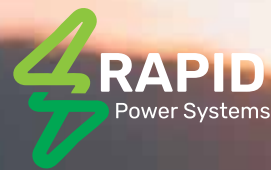
Because our systems are designed here in Australia, we also have the unique capability to tailor our solutions to your specifications for specialised and large quantity orders.

Contact our team today to discuss your requirements.

Product selection made simple.

Product	Mains Powered Battery Backup	Solar Powered	4G	PoE	VMS	Edge Recording	Battery Solar Monitoring	Standard Load Rating (Watts)
RPS Powered	*	☒	✓	✓	*	*	*	Custom
RPS 12-Volt	☒	✓	✓	☒	☒	☒	*	15W, 20W, 30W, 40W
RPS Edge	☒	✓	✓	✓	✓	✓	*	15W, 20W, 30W, 40W
RPS Smart	☒	✓	✓	✓	✓	✓	✓	20W, 30W, 40W
RPS Compact Trailer	☒	✓	✓	✓	✓	✓	✓	Up to 80W
RPS Pro Trailer	☒	✓	✓	✓	✓	✓	✓	Up to 160W
Custom Solution	✓	✓	✓	✓	✓	✓	✓	Custom

Key: ✓ Yes * Optional ☒ No



MEET OUR AUSSIE MADE RANGE

Solar Pole Kits

Stay connected. Rapid Power Systems' solar security kits all come with 4G routers and sim-card-based internet connectivity as standard. It's as simple as inserting a sim card and connecting your system. From there you can view your cameras from anywhere in the world where you have access to a stable internet connection.



A kit for every customer, a tier for every task.

VOLT RPS-12VOLT

It's got the essentials.

The **12VOLT** is a reliable solar-powered surveillance kit designed for remote locations that require a **12V power supply** for cameras and other security devices. Ideal for farms, construction sites, and off-grid properties, this system provides continuous monitoring without reliance on mains power. With efficient solar charging and robust battery backup, it ensures uninterrupted security day and night. Additionally, the 12VOLT can be easily upgraded to include **PoE functionality**, allowing for a seamless transition to more advanced network-powered devices when your security needs evolve.

EDGE RPS-EDGE

It's getting fancy.

The **RPS-EDGE** is a comprehensive solar-powered security solution that integrates **network-powered (PoE) cameras with an on-board VMS** for seamless video recording and management. Designed for remote installations, this system delivers high-definition surveillance with wired stability, reducing interference and latency. The included NVR allows for centralized storage and playback, making it perfect for businesses, remote facilities, and large properties.

SMART RPS-SMART

It's top tier stuff!

The RPS-SMART is a high-performance solar-powered security kit featuring **network-powered (PoE) cameras, an on-board VMS for video recording, and advanced remote battery monitoring**. This system is designed for maximum reliability, allowing users to track power levels and system health in real time via a remote dashboard. Ideal for critical infrastructure, remote sites, and high-security areas, this intelligent solution ensures optimal performance with minimal maintenance.



Understanding our kits.



Each kit has the option of Volt, Edge or Smart capabilities

VOLT	EDGE	SMART
 15W RPS-15WRUT	This lightweight, compact kit is ideal for less power-hungry equipment and for locations needing short term footage storage. It pairs perfectly with 2x multi-function cameras.	
 20W RPS-20WRUT	As the next size up in our standard solar kit range, the 20W Rapid Power Systems solar security kit enables you to take your surveillance capabilities further. Not only is it powerful enough to support two cameras, it has power for additional memory and impressive software.	
 30W RPS-30WRUT	This kit has the same physical dimensions as our 20W option but with even more juice! At this size, we are able to use a multicamera set up which can be customised to suit your needs	
 40W RPS-40WRUT	The 40W kit is the biggest in our standard range and arguably one of our most versatile. You can run some of our most powerful software and camera combinations including a PTRZ.	
 POWERED RPS-POWERED	This kit is a versatile, mains-powered solution equipped with a 20Ah battery backup, ensuring continuous operation, even during power outages. Designed for high-demand environments, it offers both mains power and an emergency battery backup. The backup battery is automatically recharged by the mains power, ensuring seamless operation without the need for manual intervention. Ideal for commercial properties, industrial sites, and urban locations.	

Flexible Base Options

RPS-MODULAR

The RPS-MODULAR is a highly adaptable and durable solar-powered camera mounting solution designed for flexible installation and ease of use.

Featuring a lowerable 4-meter high pole, this system allows for easy camera kit mounting with a modular design. Both the solar panel and enclosure sleeve onto the pole, which is hinged at the base for tilting, providing full adjustability of the camera orientation to any direction.

The system also includes an optional winch to assist with raising and lowering the pole, ensuring effortless setup and positioning of the camera kit. For stability, the pole is supported by guy ropes and secured at the base with concrete-filled temporary fence weights, keeping the entire structure steady in various outdoor environments.

The RPS-MODULAR is compatible with 15W solar-powered camera kits, making it perfect for temporary or permanent surveillance setups.

Whether used for construction sites, security monitoring, or outdoor events, its modular, easy-to-move design ensures efficient and reliable performance in any location.

With its combination of flexibility, strength, and ease of deployment, the RPS-MODULAR is the ideal solution for any application requiring portable, high-quality camera surveillance.



Poles & Concrete Blocks:

Rapid Power Systems' heavy duty solar systems are ideal for both short term and ongoing usage. With a variety of base mounting options these pole mounted kits are self-sufficient and suitable for a range of environments and projects.

All pole/base offerings are subject to locations wind rating and total weight of equipment being mounted to the pole. Pole height can be altered on request.

For remote locations, we have options for local concreting services, please let us know so we can save you costs on freight!

BASE OPTIONS INCLUDE:

5.5m Ezytilt Pole + 1.8T Concrete Block

- Suits RPS-15WRUT, RPS-20WRUT and RPS-30WRUT
- Hand operated winch recommended

5.5m Ezywinch Pole + 2.4T Concrete Block

- Suits RPS-40WRUT (low mounting of enclosure recommended)
- Hand operated winch recommended



Standard in ground install.



COMPACT SOLAR TRAILER RPS-COMPACT

The Compact Solar Trailer is a lighter, more agile alternative, perfect for locations with limited or no power access. It features a 4.6m linear actuator mast, capable of supporting customised camera systems, providing enhanced surveillance and monitoring.

Powered by a 900W solar array and a 7680Wh LiFePO4 battery, it delivers sustainable, uninterrupted energy for essential equipment. 4G connectivity, GPS tracking, and remote monitoring offer complete system control from anywhere.

With its compact size, retractable drawbar, and detachable top box, it is highly transportable and can be deployed by a single person and vehicle.

This trailer is an excellent choice for temporary security setups, remote work sites, and emergency response scenarios where rapid, self-sustaining power is required.



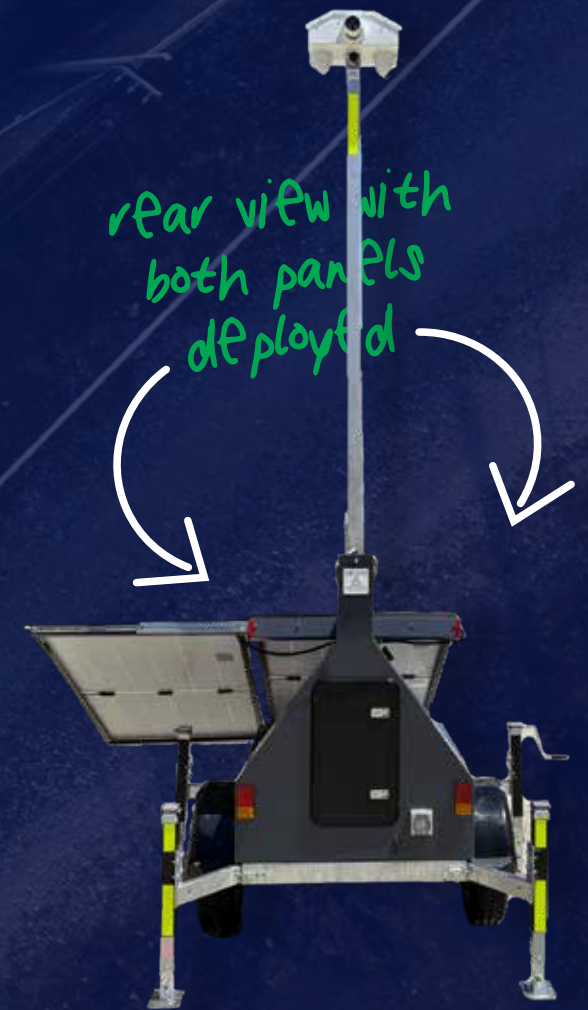
stowed for transport



*front view with
single panel
deployed*



*rear view with
both panels
deployed*





PRO SOLAR TRAILER

RPS-PRO

A robust and heavy-duty solar-powered trailer, the Pro Series is designed for high-power demands and deployment in rugged environments. It features a 6m hydraulic telescopic mast, supporting a 360-degree top box for mounting PTZ, thermal, or radar cameras, making it ideal for security, surveillance, and remote monitoring.

The 1800W solar array and 15,360Wh LiFePO4 battery ensure continuous, off-grid power, while 4G connectivity, GPS tracking, and a Victron remote monitoring portal allow for real-time equipment status updates.

The Pro Series solar trailer is engineered for easy transport and relocation, requiring only a single vehicle and operator. Its steel chassis, stabiliser legs, and all-terrain tires make it a reliable choice for emergency response, construction sites, and large-scale outdoor events.

rear view with 4
panels deployed



deployed



stowed for
transport





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