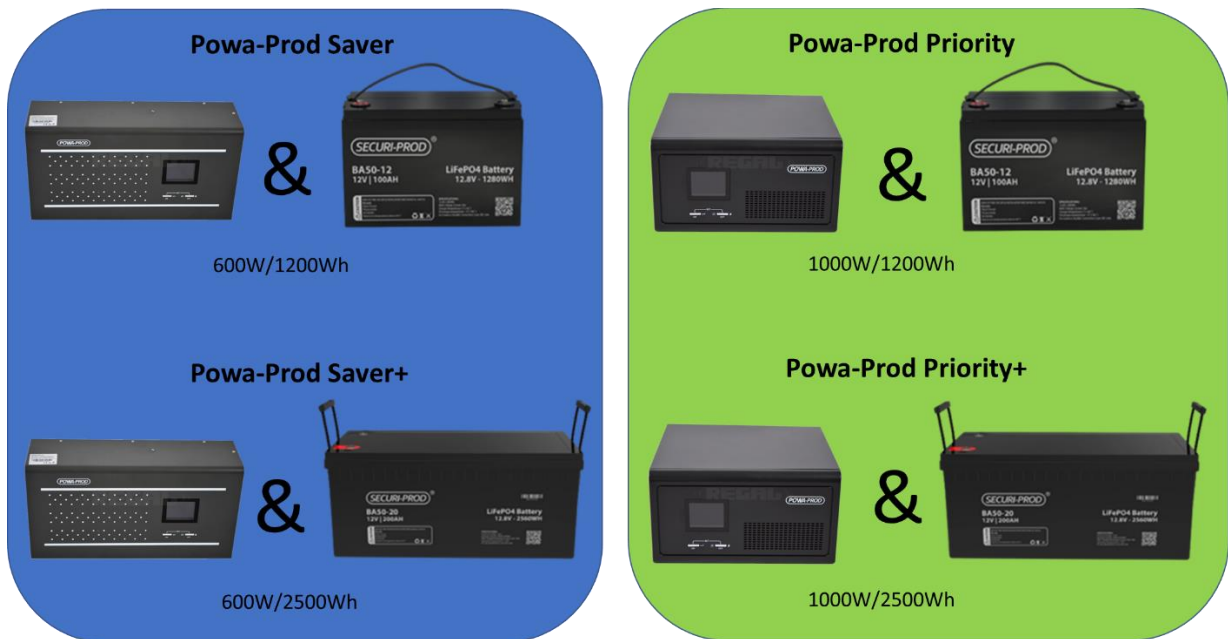## Powa-Prod Saver Backup Kit

The **Powa-Prod** backup kit is a simplified long-run backup solution for critical ICT infrastructure. Choose from either a 600W or 1000W Pure Sine wave inverter with a built-in advanced DC charger. The inverter has an ultra-fast switching time & AVR (automatic voltage regulation) function, making it the ideal solution for IT equipment that is susceptible to power cuts & voltage fluctuations.

Bundled with the Securi Prod LiFePO4 batteries and housed in a Wall Mount or Floor Standing Network Cabinet, the solution is designed for the rigours of daily power outages

The built-in charger is capable of charging LiFePO4 batteries due to the adjustable charge voltage & current.

The **Powa-Prod** backup kit is available in 4 cost effective, robust options

Powa-Prod Saver — 600W/1200Wh
Powa-Prod Priority — 1000W/1200Wh
Powa-Prod Saver+ — 600W/2500Wh
Powa-Prod Priority+ — 1000W/2500Wh

Saver

Priority

NVR included for illustrative purposes only as does not form part of the kit

Components

Saver and Saver+

Item	Saver	Saver+
• 1 x SO02-03 **(Powa-Prod 600W Pure Sine Wave 12V DC Inverter with Intelligent Charger & LCD Display)**	✓	✓
• 1 x BA50-12 **(Battery Lithium 12.8V 100AH Securi-Prod LiFePo4)**	✓	-
• 1 x BA50-20 **(Battery Lithium 12.8V 200AH Securi-Prod LiFePo4)**	-	✓
• 1 x CA103B **(9U Swingframe Wallbox - 600mm Deep)**	✓	✓
Product Codes	**KTSINV600S**	**KTSINV600SP**

Priority and Priority+

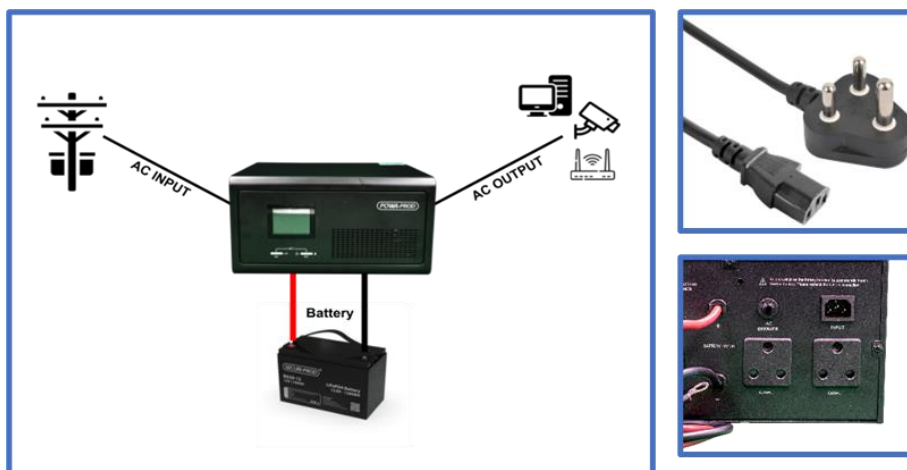| Item	Priority	Priority+
• 1 x SO02-04 **(Powa-Prod 1000W Pure Sine Wave 12V DC Inverter with Intelligent Charger & LCD Display)**	✓	✓
• 1 x BA50-12 **(Battery Lithium 12.8V 100AH Securi-Prod LiFePo4)**	✓	-
• 1 x BA50-20 **(Battery Lithium 12.8V 200AH Securi-Prod LiFePo4)**	-	✓
• 1 x CA104-4 **(12U reinforced Floor Cabinets with 2 Shelves)**	✓	✓
Product Codes	**KTSINV1000P**	**KTSINV1000PP**

Application

Installation and connection of the kit is straightforward and consists of 3 points;

- DC Connection (Battery)
- AC Supply (Power Utility)
- AC Output (Load)

AC supply is connected to a standard South African 3 Pin Socket (SANS164-1 or Type M).

AC output is via 2 standard SA 3 Pin Sockets

Typical Usage and Runtime

Saver and Saver+

KTSINV600S	Load	Saver	Saver+
8 Channel NVR 32" or 43" LED Monitor	235 – 255W		
Run Time		**4 – 5 hours**	**9h30min – 10 hours**
Charge Time		**3 – 4 hours**	**6 - 8 hours**

KTSINV600SP	Load	Saver	Saver+
16 Channel NVR 32" or 43" LED Monitor	335 – 355W		
Run Time		**3h15min to 3h30min**	**6h30min to 7 hours**
Charge Time		**3 – 4 hours**	**6 - 8 hours**

Priority and Priority+

KTSINV1000P	Load	Priority	Priority+
8 Channel NVR 32" or 43" LED Monitor	235 – 255W		
Run Time		**4 – 5 hours**	**9h30min – 10 hours**
Charge Time		**2 – 3 hours**	**5 - 6 hours**

KTSINV1000PP	Load	Priority	Priority+
16 Channel NVR 32" or 43" LED Monitor	335 – 355W		
Run Time		**3h15min to 3h30min**	**6h30min to 7 hours**
Charge Time		**2 – 3 hours**	**5 - 6 hours**

Backup capacity can be increased by adding additional batteries. A maximum of 4 batteries may be connected in parallel.

* Runtime will vary based on load

** Only expand by using the same battery model.

*** Expanding the battery capacity will increase the charging duration.

**** Additional batteries may require a larger cabinet