

## Modular Power Supply and UPS Solution



KIT-0848-1004

### INPUT

Voltage : 110 or 240 VAC (88-264) Single Phase  
 Current : 8A RMS at 230VAC  
 Inrush current : <9A RMS  
 Frequency : 45-66Hz

### OUTPUT

Voltage : 24 VDC nominal (range 21-29 VDC)  
 Variants : (see table)  
 Regulation : better than  $\pm 0.05\%$   
 Noise : < 0.96mV RMS Psophometrically weighted  
 Power Factor : > 99% at full load  
 Efficiency : >88% typical from 50% - 100% output power

- Modular Power Supply and UPS
- Comprising of a power cabinet and multiple battery cabinets (depending on autonomy required)
- N+1 Redundancy built in
- Hot swap power modules
- MCB's on input/output and battery modules
- Temperature compensation with external sensors
- Expandable autonomy

### INDICATORS AND ALARMS

Alarms : Urgent, Non Urgent, AC Failure, Rectifier Alarm & Battery Alarm  
 Contacts : Volt free contacts  
 Indicators : Front panel LEDs  
 : Digital Menu and display

### ENVIRONMENTAL

Cooling : Fan Cooled  
 Temperature : -25°C to +50°C Operational  
 Humidity : 0 to 100% RH condensing including dripping water and icing conditions.  
 Safety : Compliance with low voltage directive  
 EMC : Compliance with EMC directive

### PROTECTION

Mains Input : 2P 63A MCB  
 Rectifier Input : 1P 16A MCB  
 : MOV Surge Protection  
 Battery : 2P 63A MCB (PRD-0848-100X)  
 : 2P 32A MCB (PRD-0849-1001)  
 : Incorrect Polarity  
 Output : 3 x 16A MCB  
 : 2 x 10A MCB

PADS No. PA05-07427

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### MECHANICAL

#### Size

PRD-0848-100X : 500mm x 450mm x 560mm (HxDxW)  
 PRD-0849-1001 : 460mm x 450mm x 560mm (HxDxW)

#### Weight

PRD-0848-1001 : 40Kg approx.  
 PRD-0849-0001 : 20Kg approx.  
 Battery (each) : 28Kg approx.

Matrix of Scanners against autonomy required

	Autonomy Available	Duvine part code		Autonomy Available	Duvine part code
1 scanner system (16.5A load)	8hrs 50mins	KIT-0848-1001	5 scanner system (37A load)	3hrs 50mins	KIT-0848-1002
	17hrs 50mins	KIT-0848-1003		7hrs 50mins	KIT-0848-1004
	26hrs 40mins	KIT-0848-1006		11hrs 50mins	KIT-0848-1007
	35hrs 40mins	KIT-0848-1008		15hrs 50mins	KIT-0848-1009
2 scanner system (21A load)	7hrs	KIT-0848-1001	6 scanner system (41.5A load)	3hrs 30mins	KIT-0848-1002
	14hrs	KIT-0848-1004		7hrs	KIT-0848-1004
	21hrs	KIT-0848-1006		10hrs 30mins	KIT-0848-1007
	28hrs	KIT-0848-1008		14hrs 10mins	KIT-0848-1009
3 scanner system (25.5A load)	5hrs 40mins	KIT-0848-1001	7 scanner system (46A load)	3hrs	KIT-0848-1002
	11hrs 30mins	KIT-0848-1004		6hrs 20mins	KIT-0848-1005
	17hrs 20mins	KIT-0848-1006		9hrs 30mins	KIT-0848-1007
	23hrs	KIT-0848-1008		12hrs 40mins	KIT-0848-1009
4 scanner system (30A load)	4hrs 50mins	KIT-0848-1001	8 scanner system (50.5A load)	2hrs 50mins	KIT-0848-1002
	9hrs 40mins	KIT-0848-1004		5hrs 40mins	KIT-0848-1005
	14hrs 40mins	KIT-0848-1007		8hrs 40mins	KIT-0848-1007
	19hrs 30mins	KIT-0848-1008		11hrs 40min	KIT-0848-1009

\* Example PRD-0848-1004 power cabinet



\* Example PRD-0849-1001 Battery cabinet



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## Modular Power Supply and UPS Solution

Product Code	Consists of	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
KIT-0848-1001	1 Power Cabinet containing 3 Power modules and 1 Battery Cabinet	960	560	450	179.1	*
KIT-0848-1002	1 Power Cabinet containing 4 Power modules and 1 Battery Cabinet	960	560	450	181.6	*
KIT-0848-1003	1 Power Cabinet containing 3 Power modules and 2 Battery Cabinets	1420	560	450	308.7	*
KIT-0848-1004	1 Power Cabinet containing 4 Power modules and 2 Battery Cabinets	1420	560	450	311.2	*
KIT-0848-1005	1 Power Cabinet containing 5 Power modules and 2 Battery Cabinets	1420	560	450	313.7	*
KIT-0848-1006	1 Power Cabinet containing 4 Power modules and 3 Battery Cabinets	1420	1120	450	449.3	**
KIT-0848-1007	1 Power Cabinet containing 5 Power modules and 3 Battery Cabinets	1420	1120	450	451.8	**
KIT-0848-1008	1 Power Cabinet containing 5 Power modules and 4 Battery Cabinets	1420	1120	450	581.9	**
KIT-0848-1009	1 Power Cabinet containing 6 Power modules and 4 Battery Cabinets	1420	1120	450	584.4	**

\* Lid assembly for all units is 581mm by 518mm (W x D)

\*\* requires 2 lid assemblies

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