

12VDC 1.5A Supply In Cabinet With Mains & Battery Monitoring

This supply features a 17VAC step down transformer & low loss switch mode supply with battery back up

Included Components: EC-CAB | PSU SM | ELITE TRANS KIT | Battery Leads | Screw/Fixing Kit

Transformer - ELITE TRANS

Input Voltage	230 ~ 250VAC
Frequency	50Hz
Rated Current	150mA
Output Voltage	17VAC
Output Current	1.4A
Fuse	250mA, 5 x 20mm slow blow

Supply Module - PSU SM

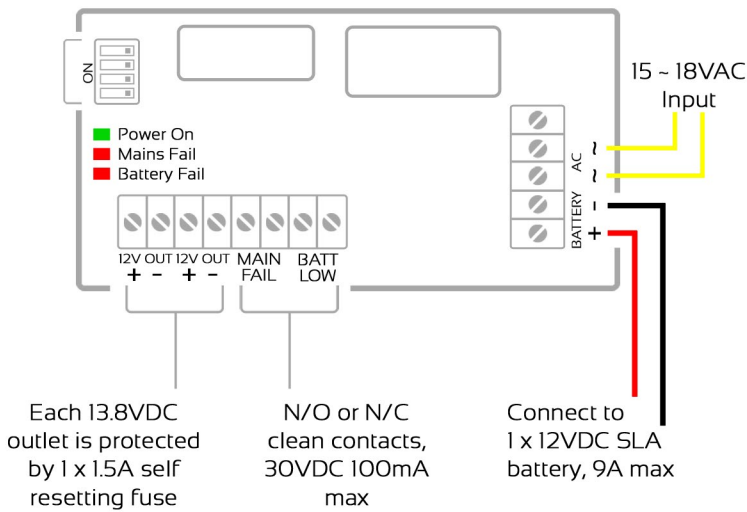
Input Voltage	17VAC
Output Voltage	13.8VDC
Output Current	1.5A
Output Fuse	2 x 1.5A auto resetting PTC
Battery Charging	250mA/500mA (selectable)
Battery Protection	1 x 3A auto resetting PTC
Battery Low Voltage Disconnect	Disconnects below 10.5VDC
Hold Up Time	30ms
Ripple	110mV P/P
Line Regulation	<0.07%
Load Regulation	<1.25%
Current Limit	1.5A
Overload	110-150% rated
Efficiency	85%
Terminals	2.5mm rising clamp



General

Cabinet Material	ABS
Environment	-20 °C ~ 60 °C, 10% ~ 90% relative humidity
Heat Sink Temperature	40 °C
Over Temp Shutdown	125 °C therman fuse (non resetting)
Isolation In/Out	500VDC/100M Ohms
Isolation In/Gnd	500VDC/100M Ohms
Cabinet Dimensions:	W323mm x H293mm x D87mm
Max Weight incl 12V 7.5A Battery	1.6Kg (plus battery)
Fixings	Lid, cabinet, circuit board screw kit & ties for 12V 3A or 7A battery

Overview



Dipswitch Settings

Dip 1	1.5A Current Limit	OFF
	3A Current Limit (do not use)	ON
Dip 2	250mA Battery Charging	OFF
	500mA Battery Charging	ON
Dip 3	Instant Mains Fail	OFF
	15 Min Delay Mains Fail	ON
Dip 4	Monitoring Outputs N/C	OFF
	Monitoring Outputs N/O	ON

Cabinet Installation

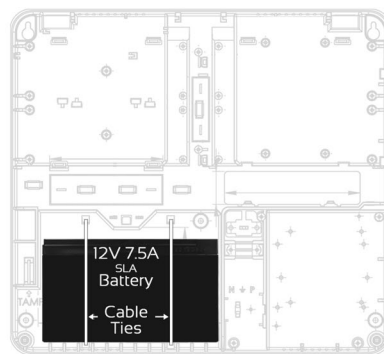
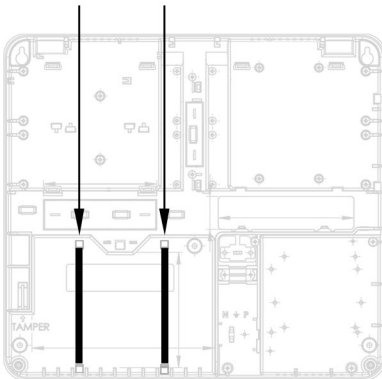
Make sure cabinet vents are unobstructed. This includes bedding & insulating material

Securing The Cabinet & Back Up Battery

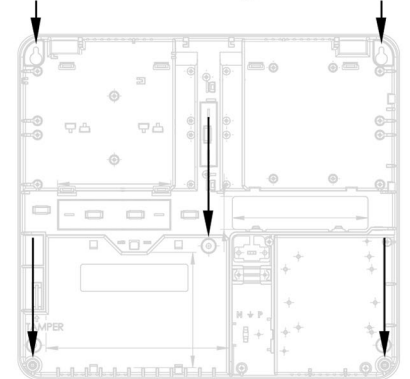
All SLA (sealed lead acid) batteries that are mounted in this cabinet must be secured using the 2 x cable tie locations provided

Refer to diagrams below for cable tie & cabinet fixing locations:

Cable Tie Locations



5 x Cabinet Fixing Locations



Strain Relief Mechanism

This cabinet includes a strain relief mechanism which must be used for both fixed & portable applications

- First remove mechanism by breaking the tab shown here
- Once removed, place the strain relief mechanism over the 230V cable & fix using the screws provided as shown
- Make sure the sheath or jacket of the 230V cable extends at least one-half the diameter of the cord or cable past the strain relief mechanism shown here
- We also recommend installation of a disconnect device or isolator switch near the alarm cabinet for servicing purposes

