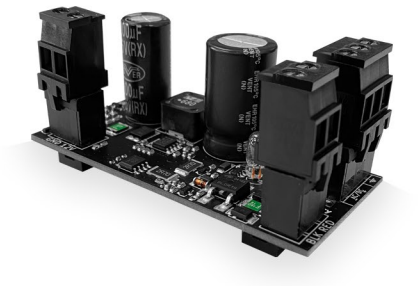
EC-PSU Manual

infinity series
powered by EliteControl

Plug in Power Supply for EC Expander Modules

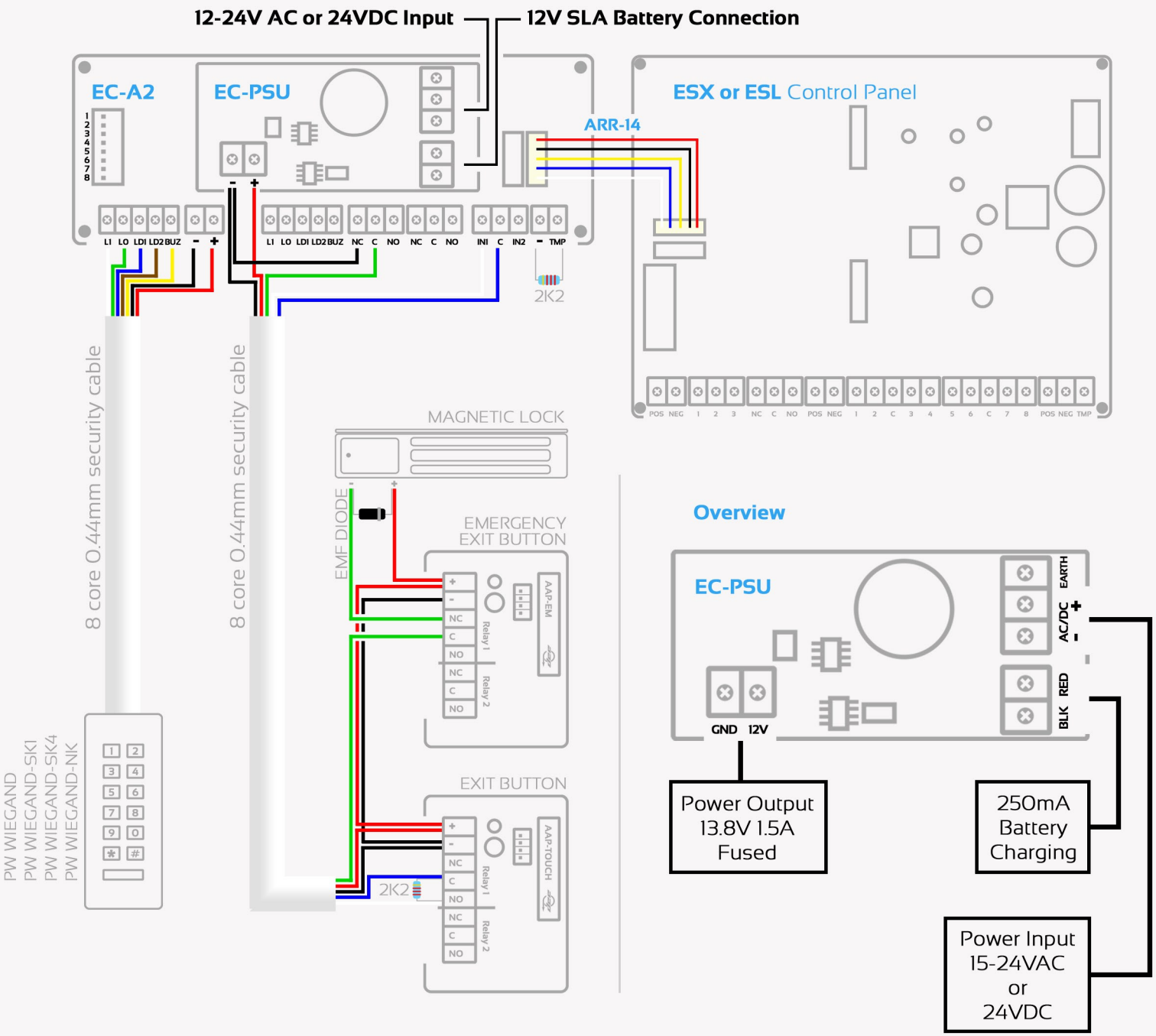
Plugs directly into the EC-A2, EC-Z8 & EC-O4 expanders to provide power up to 1.5A @ 13.8VDC. The EC-PSU also monitors the AC/DC input & battery failure directly to the ESX control panel with no extra connections

Features



- **Input** - 15-24V AC or 24VDC
- **Output** - 13.8VDC 1.5A
- **Battery charging** - 250mA
- **Dynamic battery monitoring** - Via ESX control panel
- **Input monitoring** - Via ESX control panel
- **Auto resetting fused output -** 13.8VDC 1.5A

The example below shows an EC-PSU plugged into the EC-A2 module for 1 door access control



Input Power Supply

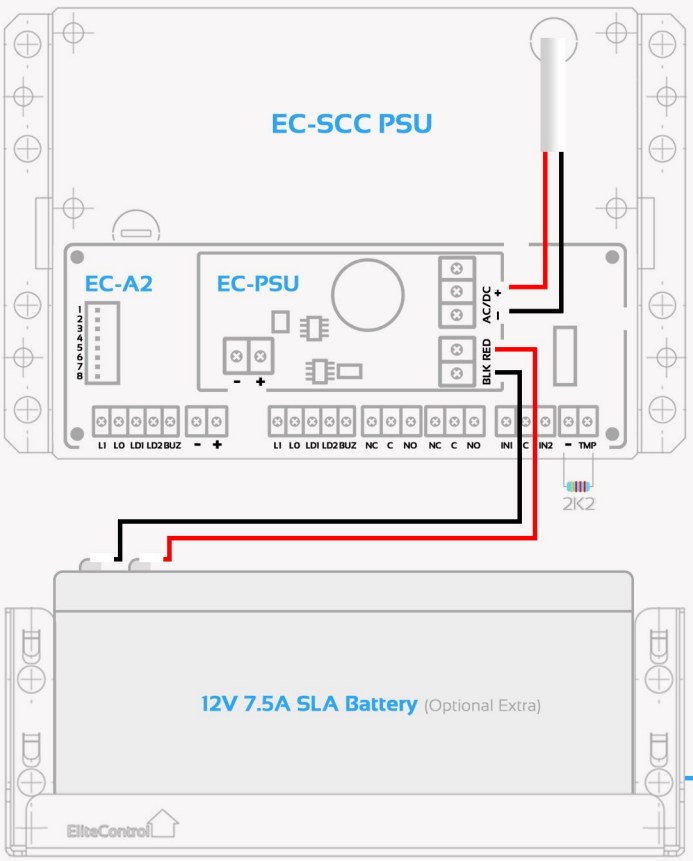
We recommend the following supplies to power the EC-A2 & EC-PSU modules depending on the enclosure that is used

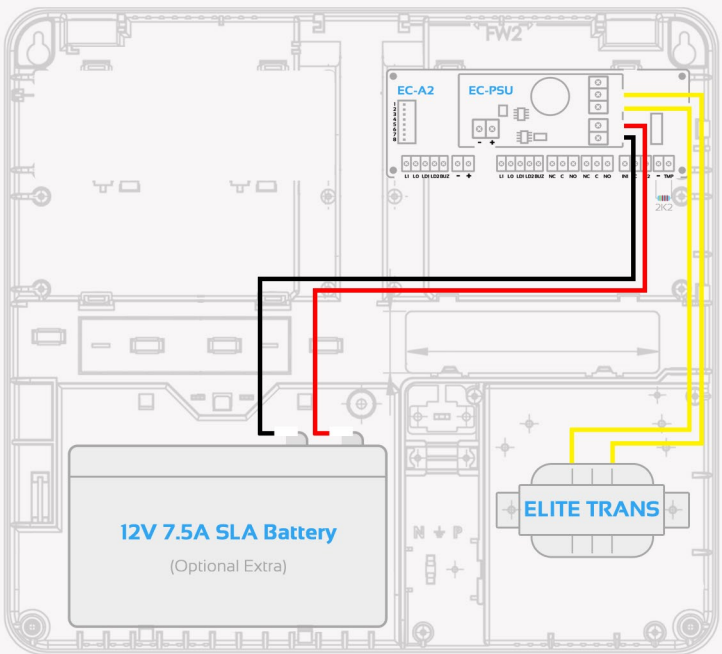
EC-SCC PSU

- Input: 240VAC
- Output: 24VDC 2.2A
- Ideal for structured cabling cabinets
- Powers up to 2 x EC-PSU modules

ELITE TRANS

- Input: 240VAC
- Output: 17VAC 1.4A
- Ideal for EC-PLAS CAB enclosure
- Powers up to 1 x EC-PSU module





EC-SCC BATT - Optional battery holder for structured cabling cabinets. Ideal for mounting SLA batteries directly above or below the power supply

Current Draw Reference Table

Use the following current draw table to determine the amount of power required for your specific system. Note: Electric lock power requirements will vary. Refer to the lock technical data relating to your specific lock for an accurate calculation. We also recommend allowing a 30% overhead to your calculation as a safeguard

Product	Current Draw	Quantity Used	Current
EC-A2	100mA		
PW WIEGAND (all models)	100mA		
AAP-EM	50mA		
AAP-TOUCH	50mA		
Magnetic Lock (estimate)	500mA		
Strike Lock (estimate)	250mA		
V-Lock (estimate)	1000mA		
EC-Z8	100mA		
EC-O4	100mA		
EC-LCD	100mA		
		Total Current Calculation →	