

E3 FAMILY OF MULTI-OUTPUT ACCESS CONTROL POWER SUPPLY SYSTEMS SAVE INSTALLATION TIME AND COST



Standard with all e3 Access Control Bundles (e3 Product names ending with B (=Bundle))

e3 Integrated and Stand-Alone power supply system is designed to lower the cost of installation via eliminating the conduit, interconnecting wiring and labor to power locks and auxiliary.

Innovative e3 Power Supply design utilizes a “Step Up” regulator, allowing the system to boost 12 VDC to 24 VDC. Each auxiliary output is selectable for 12 or 24 volts. Our engineered design eliminates the need to have two separate power supplies for separate voltages. Our proven yet innovative technology is widely used in the solar market and electric vehicles.

Features include:

- Four (4) **Individual Aux Outputs** – each output is selectable for 12 or 24 volts
- **PTC Protection** (Positive Temperature Coefficient) resettable fuses enables the Power Distribution Box to reset and provide power without the need to replace a physical fuse
- **2 Individual Access Controller Power Outputs** (Powers two modules in one housing)
- **Battery Charging Output** – up to 2 - 7 AMP batteries
- Metal cabinet houses all wiring and batteries, multiple mounting options, knock outs and wire tie down loops for fast installation and flexible mounting options.
- e3 monitoring of AC power and or low battery
- **Fire release** input enables the power distribution box to release all attached devices (access doors) when fire alarm is activated to enable easy egress out of a locked facility
- Integrated bundle offer 10 amps of power, 1 amp 12VDC or .500 24VDC per output.
- **Notification** upon AC Failure or Low Battery
- **Field upgradeable** from 4 outputs to 8 outputs with purchase of Upgrade Power Distribution Kit
- **Temperature rating** enables the power distribution box to be installed in cold or hot zones such as utility closets that are poorly ventilated
- IEC 5' cord included



STAND ALONE POWER SUPPLY MODULES

Models	All e3 Bundles	PS124D-02A4	PS124D-05A4	PS124D-10A8
Input Voltage	12 VDC, 24 VDC, 13.5 VDC	3 VDC, 24 VDC, 13.5 VDC	14 VDC, 24 VDC, 13.5 VDC	15 VDC, 24 VDC, 13.5 VDC
Output Amperage	10 Amps	2 Amps	5 Amps	10 Amps
Number of Outputs	6	6	6	12
Lock – Aux	4 – Selectable 12 or 24 VDC per each output – Auto resetting	4 – Selectable 12 or 24 VDC per each output – Auto resetting	4 – Selectable 12 or 24 VDC per each output – Auto resetting	8 – Selectable 12 or 24 VDC per each output – Auto resetting
Panel Power	2 – 12 VDC – Non fused	2 – 12 VDC – Non fused	2 – 12 VDC – Non fused	4 – 12 VDC – Non fused
Battery Charging	1=13.5 VDC Batteries Charge up to 2–12 VDC 7 AMP	1=13.5 VDC Batteries Charge up to 2–12 VDC 7 AMP	1=13.5 VDC Batteries Charge up to 2–12 VDC 7 AMP	2=13.5 VDC Batteries Charge up to 2–12 VDC 7 AMP
Fire Alarm Input	Yes	Yes	Yes	Yes
LED Indicators (16)	Battery, Fire Release Status, Low Battery, Output voltage (12 or 24 VDC) per individual output/ output power	Battery, Fire Release Status, Low Battery, Output voltage (12 or 24 VDC) per individual output/ output power	Battery, Fire Release Status, Low Battery, Output voltage (12 or 24 VDC) per individual output/ output power	Battery, Fire Release Status, Low Battery, Output voltage (12 or 24 VDC) per individual output/ output power
Add-on board Option	Yes – Mmounting space in housing to add 1 add. power module. Note: the output amperage remains the same: 10 Amps total	Yes – Mounting space in housing to add 1 add. power module. Note: the output amperage remains the same: 2 Amps total	Yes – Mounting space in housing to add 1 add. power module. Note: the output amperage remains the same: 5 Amps total	No – This unit includes the add-on board module
Regulatory	UL 294, ROHS, DOE Level 6 Efficiency	UL 294, ROHS, DOE Level 6 Efficiency	UL 294, ROHS, DOE Level 6 Efficiency	UL 294, ROHS, DOE Level 6 Efficiency

Add On Part Ordering Information:

PS124D-UP4 Power Distribution Module

Standalone Powersupplies Ordering Information:

PS124D-02A4 2 AMP / 4 Output 12 and 24 VDC Power supply in metal housing
 PS124D-05A4 5 AMP / 4 Output 12 and 24 VDC Power supply in metal housing
 PS124D-10A8 10 AMP / 8 Output 12 and 24 VDC Power supply in metal housing