

E3 FAMILY OF MULTI-OUTPUT ACCESS CONTROL POWER SUPPLY SYSTEMS



e3 Model Names and Part #'s containing "P" offer integrated power supply.

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
- Each Aux output has a maximum current draw of 375mA
- **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	e3 Integrated Models	PS124D-02A4	PS124D-05A4	PS124D-10A8
Input Voltage	120VAC	12 VDC 2 Amps Transformer	12 VDC 5 Amps Transformer	120 VAC IEC Cord
Output Amperage	10 Amps	2 Amps	5 Amps	10 Amps
# Aux outputs 12VDC non-fused	2	2	2	4
# of Switchable 12 and 24 VDC Outputs PTC/Auto Resetting	4	4	4	8
Panel Power	12 VDC – Non fused	12 VDC – Non fused	12 VDC – Non fused	12 VDC – Non fused
Battery Charging	1=13.5 VDC Batteries Charge up to 13.6 VDC	1=13.5 VDC Batteries Charge up to 13.6 VDC	1=13.5 VDC Batteries Charge up to 13.6 VDC	2=13.5 VDC Batteries Charge up to 13.6 VDC
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 – Mounting 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

e3 Ordering Information

e3 Access Control with Integrated Power supply Ordering Information:

Model Names	Containing “P” offer integrated power supply 10 AMP / 4 Output 12 and 24 VDC power supply (EL36-4MP)
Part #'s	Containing “P” offer integrated power supply. 10 AMP / 4 Output 12 and 24 VDC power supply (620-100258P)

Add On Part Ordering Information:

PS124D-UP4	Power Distribution Module
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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

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