

Zero up programmable power supplies

Features

- ◆ Constant Voltage / Constant Current
- ◆ Last Setting Memory
- ◆ Digital Meters
- ◆ Built-in RS232 & RS485 Interface w/ GPIB optional
- ◆ Bench or Rack Mount
- ◆ Embedded Microprocessor Controller
- ◆ Voltage up to 120V, Current up to 132A



Key Market Segments & Applications



| Specifications | | | | | | | | |
|--------------------------------|-----|---|----------|-----------|-----------|-----------|-----------|-----------|
| Model | | ZUP6 | ZUP10 | ZUP20 | ZUP36 | ZUP60 | ZUP80 | ZUP120 |
| Load Regulation | - | 2mV + 0.005% over 0 - 100% load change | | | | | | |
| Line Regulation | - | 1mV + 0.005% over 85 - 132 or 170 - 265VAC line change | | | | | | |
| Recovery Time (1) | ms | 1ms | 0.5ms | 0.2ms | | | | |
| Temperature Coefficient | - | 30ppm/°C following 30 minute warm up | | | | | | |
| Temperature Drift(2) | - | 0.01% + 2mV change in output | | | | | | |
| Up programming response time | ms | 50 - 60ms | | | | | 80ms | 120ms |
| Down prog. resp. time (CV) | ms | 50ms (70ms ZUP60-14) | | | | | | |
| Down prog. resp. time (CV) | ms | 250ms | 350ms | 400ms | 500ms | 750ms | 600ms | 800ms |
| Load Regulation | - | 0.01% + 5mA on 200W and 400W models, 0.07% + 10mA on 800W models | | | | | | |
| Line Regulation | - | 0.01% + 2mA on 200W and 400W models, 0.01% + 5mA on 800W models | | | | | | |
| Temperature Coefficient | - | 100ppm/°C from rated current after 30 minute warm up time | | | | | | |
| Temperature Drift(2) | - | 0.02% + 5mA, 200W and 400W models, 0.05% + 10mA 800W models | | | | | | |
| Prog Voltage resolution | - | Better than 0.028% of rated voltage | | | | | | |
| Prog Voltage accuracy | mV | .02%+5mV | .02%+8mV | .02%+12mV | .02%+20mV | .02%+35mV | .02%+50mV | .02%+70mV |
| Prog Current resolution | - | Better than 0.03% of rated voltage | | | | | | |
| Prog Current accuracy | - | 0.4% + 40mA | | | | | | |
| Overvoltage Shutdown | V | 0 - 7.5 | 0 - 13 | 0 - 24 | 0 - 40 | 0 - 66 | 0 - 88 | 0 - 132 |
| Thermal Protection | - | Over temperature protected | | | | | | |
| Display - Voltage | - | 3 digits (6, 20, 36, 60, 80V models), 3.5 digits (10, 120V models). Accuracy 0.2% ± 2 digits | | | | | | |
| Display - Current | - | 3 digits, (3.5 digits 132A model). Accuracy 0.5% ± 3 digits | | | | | | |
| Display - Status | - | CV / CC, Alarm, Foldback, Local/Remote, On/Off | | | | | | |
| Remote On/Off | - | TTL signal or dry contact relay | | | | | | |
| Output Good | - | Open Collector | | | | | | |
| Voltage & Current Programming | - | By either Voltage (0-4V) or Resistance (0-4k) | | | | | | |
| Remote Sense | - | Up to 0.5V compensation per output cable | | | | | | |
| Communication Interface | - | RS232 & RS485 standard, IEEE488 optional | | | | | | |
| Series & Parallel Operation | - | Series: Up to two units; Parallel: Up to five units in master-slave configuration | | | | | | |
| AC Input Voltage range | VAC | 85-265VAC (47-63Hz) | | | | | | |
| Inrush Current (100/200VAC)(3) | A | 15/30A, 200W models, 15A, 400W models, 30A, 800W models | | | | | | |
| Hold Up Time (Typ) at 100VAC | ms | 20 | | | | | | |
| Power Factor Correction | - | Complies with EN61000-3 Class A (0.99 typ) | | | | | | |
| Temperature Range | - | Operating: 0 - 50°C; Storage: -20 to +70°C | | | | | | |
| Humidity (non condensing) | - | Operating: 30 - 90% RH, Storage 10 - 95%RH | | | | | | |
| Cooling | - | Internal fan | | | | | | |
| Withstand Voltage | - | Input to Ground 2kVAC, Input to Output 3kVAC, Output to Ground 500VAC for 1 min. | | | | | | |
| Isolation Resistance | - | >100M at 25°C & 70%RH | | | | | | |
| Vibration & Shock (non-op.) | - | Vibration:10-55Hz(1 min.) 2G constant X, Y, Z, when correctly mounted; Shock: <20G | | | | | | |
| Safety Agency Approvals | - | UL3111-1, EN61010-1, CE Mark | | | | | | |
| Conducted & Radiated EMI | - | EN55022-B conducted, A radiated, FCC Class B conducted, A radiated, VCCI-2 conducted, -1 radiated | | | | | | |
| Warranty | yrs | Three Years | | | | | | |

Notes: (1) Recovery to within +/-50mV after load change of 50-100% (2) Over 8 hour period following 30 minute warm up time
 (3) 25°C ambient (cold start)

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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