

Programmable DC Electronic Load ESHL-2400

FEATURE

- * 4-DIGIT AUTO RANGE DISPLAY
- * CC,CR,CV,CP OPERATION MODE
- * OVP,OCP,OPP,OTP,RPP PROTECION
- * HIGH ACCURACY
- * PORTABLE TYPE SINGLE LOAD or RACK TYPE
- * DYNAMIC,STATIC, EXTERNAL FUNTION MODE
- * 24BIT A/D CONVERTER
- * RS-232C(RS-485) For Interface
- * POWER MOSFET
- * ACTIVE POWER DISSIPATION BALANCE

Application

- * VOLTAGE AND CURRENT SOURCE TESTING
- * POWER SUPPLY TRANSIENT RESPONSE
- * BATTERY DISCHARGE
- * R&D, QUALITY CONTROLM ATE SYSTEM
- * POWER SUPPLY LOAD REGULATION
- * CURRENT LIMIT TEST AND BATTERY
- * EMULATION BY USING CV MODE



SERIES MODEL

| No. | WATT | VOLTAGE | CURRENT | CH | MODEL |
|-----|-------|---------|---------|-----------|------------|
| 1 | 200W | 80V | 40A | 1 | SL - 200 |
| 2 | | 80V | 40A | 4 | SL - 200D |
| 3 | | 250V | 20A | 1 | SM - 200 |
| 4 | | 500V | 10A | 1 | SH - 200 |
| 5 | | 80V | 60A | 1 | SL - 300 |
| 6 | 300W | 80V | 60A | 4 | SL - 300D |
| 7 | | 250V | 30A | 1 | SM - 300 |
| 8 | | 500V | 15A | 1 | SH - 300 |
| 9 | 600W | 80V | 120A | 1 | SL - 600 |
| 10 | | 250V | 60A | 1 | SM - 600 |
| 11 | | 500V | 30A | 1 | SH - 600 |
| 12 | 1200W | 80V | 240A | 1 | SL - 1200 |
| 13 | | 250V | 120A | 1 | SM - 1200 |
| 14 | | 500V | 60A | 1 | SH - 1200 |
| 15 | 2400W | 80V | 240A | 1 | SLL - 2400 |
| 16 | | 80V | 480A | 1 | SLH - 2400 |
| 17 | | 250V | 120A | 1 | SML - 2400 |
| 18 | | 250V | 240A | 1 | SMH - 2400 |
| 19 | | 500V | 60A | 1 | SHL - 2400 |
| 20 | | 500V | 120A | 1 | SHH - 2400 |
| 21 | 5KW | 80V | 500A | 1 | SLL - 5K |
| 22 | | 80V | 1000A | 1 | SLH - 5K |
| 23 | | 250V | 250A | 1 | SML - 5K |
| 24 | | 250V | 500A | 1 | SMH - 5K |
| 25 | | 500V | 120A | 1 | SHL - 5K |
| 26 | | 500V | 250A | 1 | SHH - 5K |
| 27 | 10KW | 80V | 500A | 1 | SLL - 10K |
| 28 | | 80V | 1000A | 1 | SLM - 10K |
| 29 | | 80V | 2000A | 1 | SLH - 10K |
| 30 | | 250V | 500A | 1 | SML - 10K |
| 31 | | 250V | 1000A | 1 | SMH - 10K |
| 32 | | 500V | 250A | 1 | SHL - 10K |
| 33 | 500V | 500A | 1 | SHH - 10K | |

SPEC

| SPECIFICATION | | | ESHL-2.4kW |
|----------------------------|------------------------|------------------|--|
| OPERATING RANGE | POWER | | 2.4kW |
| | VOLTAGE | | 5~500V |
| | CURRENT | | 0~60A |
| | MIN. OPERATING VOLTAGE | | 1.0V at 40A |
| MODE | CC | RANGE | 0~10A/10~60A |
| | | RESOLUTION | 1mA/10mA |
| | | ACCURACY | 0.06%+0.2%F.S |
| | CV | RANGE | 5~500V |
| | | RESOLUTION | 10mV |
| | | ACCURACY | 0.08%+0.1%F.S |
| | CP | RANGE | 0~10W/10~100W/100~1000W/1000~2400W |
| | | RESOLUTION | 10mW/100mW/1W |
| | | ACCURACY | 0.5%+0.5%F.S |
| | CR | RANGE | 0.667~10Ω/10~100Ω/ 100~1000Ω/1000~8000Ω |
| | | RESOLUTION | 1mΩ/10mΩ/100m Ω/1Ω |
| | | ACCURACY | 0.06%+0.2%F.S |
| FUNCTION | LOAD ON DELAY TIME | | 1ms~5000ms |
| | DYNAMIC | MEMORY | 3CH(T1,T2,T3) |
| | | TIME | 100μs~1s/1~5s |
| | | RESOLUTION | 100μs/1ms |
| | | SLEW RATE | 0.001~2A/μs |
| | | RESOLUTION | 0.001A/μs |
| | | CURRENT | 0~10A/10~40A |
| | RESOLUTION | | 1mA/10mA |
| VOLTAGE READ BACK | | RANGE | 0~10V/10~80V |
| | | RESOLUTION | 1mV/10mV |
| | | ACCURACY | 0.05%+0.1%F.S |
| CURRENT READ BACK | | RANGE | 0~10A/10~60A |
| | | RESOLUTION | 1mA/10mA |
| | | ACCURACY | 0.1%+0.1%F.S |
| PROTECTION | | OPP(POWER) | 2496W |
| | | OVP(VOLTAGE) | 510V |
| | | OCP(CURRENT) | 61.2A |
| | | OTP(TEMPERATURE) | 85°C |
| INPUT RESISTANCE(LOAD OFF) | | | 80kΩ |
| V SENSE | | | 0~80V |
| I MONITOR | | | 0~60A/0~10V |
| EXTERNAL MODE | | | 0~60A/0~10V |
| PC INTERFACE | | | RS-232/RS-485(Built-in) |
| WEIGHT (APPROX) | | | 39kg |
| DIMENSION(WxHxD)mm | | | 420 x 720 x 720 |