

PROGRAMMABLE DC ELECTRONIC LOAD

ELTO "S" - 5000 W SERIES SPECIFICATIONS



FEATURE

- * PROGRAMMABLE DC ELECTRONIC LOAD
- * 4-DIGIT AUTO RANGE DISPLAY
- * CC,CR,CV,CP OPERATION MODE
- * OVP, OCP, OPP, OTP, RPP PROTECTION
- * HIGH ACCURACY
- * PORTABLE TYPE SINGLE LOAD or RACK TYPE
- * DYNAMIC, STATIC, EXTERNAL FUNCTION MODE
- * (T1, T2, T3) 3-STEP AUTO SEQUENCE
- * 24BIT A/D CONVERTER
- * RS-232C(RS-485) For Interface
- * POWER MOSFET
- * ACTIVE POWER DISSIPATION BALANCE

RS-232C(485) S/W

- * 전압, 전류 제어 및 모니터링
- * DATA GRAPH VIEW 기능
- * DATA SAVE & RECALL 기능
- * MULTI 16CHANNEL 제어 기능
- * ON/OFF 시험 및 파형 구현 기능
- * 과전압, 과전류 및 하한값 감시 기능
- * DC POWER 연동 기능
- * 해상도 : 1280 x 1024 pixel

APPLICATION

- * 전압, 전류 전원 테스트
- * 전원공급기 TRANSIENT RESPONSE
- * 전류 LIMIT 테스트
- * BATTERY EMULATION BY USING CV MODE
- * BATTERY 방전 테스트
- * R&D , QUALITY CONTROL, ATE SYSTEM
- * 전원공급장치 LOAD REGULATION

| SPECIFICATION | | SLL-5000 | SLH-5000 | SML-5000 | SMH-5000 | SHL-5000 | SHH-5000 | |
|----------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|
| OPERATING RANGE | POWER | 5KW | 5KW | 5KW | 5KW | 5KW | 5KW | |
| | VOLTAGE | 1.0~80V | 1.0~80V | 2~250V | 2~250V | 4~500V | 4~500V | |
| | CURRENT | 0~500A | 0~1000A | 0~250A | 0~500A | 0~120A | 0~250A | |
| | MIN. OPERATING VOLTAGE | 1.0V at 500A | 1.0V at 1000A | 2V at 250A | 2V at 500A | 4V at 120A | 4V at 250A | |
| MODE | CC | RANGE | 0~100A/100~500A | 0~100A/100~1000A | 0~100A/100~250A | 0~100A/100~500A | 0~100A/100~120A | 0~100A/100~250A |
| | | RESOLUTION | 10mA/100mA | 100mA | 10mA/100mA | 10mA/100mA | 10mA/100mA | 10mA/100mA |
| | | ACCURACY | 0.06%+0.2%F.S | 0.06%+0.2%F.S | 0.06%+0.2%F.S | 0.06%+0.2%F.S | 0.06%+0.2%F.S | 0.06%+0.2%F.S |
| | CV | RANGE | 0.05~80V | 0.05~80V | 0.05~100V/100~250V | 0.05~100V/100~250V | 0.05~100V/100~500V | 0.05~100V/100~500V |
| | | RESOLUTION | 10mV | 10mV | 10mV/100mV | 10mV/100mV | 10mV/100mV | 10mV/100mV |
| | | ACCURACY | 0.08%+0.1%F.S | 0.08%+0.1%F.S | 0.08%+0.1%F.S | 0.08%+0.1%F.S | 0.08%+0.1%F.S | 0.08%+0.1%F.S |
| | CP | RANGE | ~100W/~1000W/~5000W | ~100W/~1000W/~5000W | ~100W/~1000W/~5000W | ~100W/~1000W/~5000W | ~100W/~1000W/~5000W | ~100W/~1000W/~5000W |
| | | RESOLUTION | 10mW/100mW/1W | 10mW/100mW/1W | 10mW/100mW/1W | 10mW/100mW/1W | 10mW/100mW/1W | 10mW/100mW/1W |
| | | ACCURACY | 0.5%+0.5%F.S | 0.5%~0.5%F.S | 0.5%+0.5%F.S | 0.5%+0.5%F.S | 0.5%+0.5%F.S | 0.5%~0.5%F.S |
| | CR | RANGE | 0.02~800Ω | 0.005~800Ω | 0.08~2500Ω | 0.08~5000Ω | 0.34~9000Ω | 0.08~5000Ω |
| | | RESOLUTION | 1mΩ/10mΩ/100mΩ | 1mΩ/10mΩ/100mΩ | 1mΩ/10mΩ/100mΩ/1Ω | 1mΩ/10mΩ/100mΩ/1Ω | 1mΩ/10mΩ/100mΩ/1Ω | 1mΩ/10mΩ/100mΩ/1Ω |
| | | ACCURACY | 0.06%+0.2%F.S | 0.06%+0.2%F.S | 0.06%+0.2%F.S | 0.06%+0.2%F.S | 0.06%+0.2%F.S | 0.06%+0.2%F.S |
| FUNCTION | LOAD ON DELAY TIME | | 1ms~5000ms | 1ms~5000ms | 1ms~5000ms | 1ms~5000ms | 1ms~5000ms | 1ms~5000ms |
| | DYNAMIC | MEMORY | 3CH(T1,T2,T3) | 3CH(T1,T2,T3) | 3CH(T1,T2,T3) | 3CH(T1,T2,T3) | 3CH(T1,T2,T3) | 3CH(T1,T2,T3) |
| | | TIME | 100μs~1s/1~5s | 100μs~1s/1~5s | 100μs~1s/1~5s | 100μs~1s/1~5s | 100μs~1s/1~5s | 100μs~1s/1~5s |
| | | RESOLUTION | 100μs/1ms | 100μs/1ms | 100μs/1ms | 100μs/1ms | 100μs/1ms | 100μs/1ms |
| | | SLEW RATE | 0.001~25A/μs | 0.001~50A/μs | 0.001~12.5A/μs | 0.001~12.5A/μs | 0.001~6A/μs | 0.001~12.5A/μs |
| | | RESOLUTION | 0.001A/μs | 0.001A/μs | 0.001A/μs | 0.001A/μs | 0.001A/μs | 0.001A/μs |
| | | CURRENT | 0~100A/100~500A | 0~100A/100~1000A | 0~100A/100~250A | 0~100A/100~500A | 0~100A/100~120A | 0~100A/100~250A |
| | | RESOLUTION | 10mA/100mA | 100mA | 10mA/100mA | 10mA/100mA | 10mA/100mA | 10mA/100mA |
| VOLTAGE READ BACK | RANGE | 0~10V/10~80V | 0~10V/10~80V | 0~10V/~100V/~250V | 0~10V/~100V/~250V | 0~10V/~100V/~500V | 0~10V/~100V/~500V | |
| | RESOLUTION | 1mV/10mV | 1mV/10mV | 10mV/100mV | 10mV/100mV | 10mV/100mV | 10mV/100mV | |
| | ACCURACY | 0.05%+0.1%F.S | 0.05%+0.1%F.S | 0.05%+0.1%F.S | 0.05%+0.1%F.S | 0.05%+0.1%F.S | 0.05%+0.1%F.S | |
| CURRENT READ BACK | RANGE | 0~10A/10~100A/100~500A | 0~10A/10~100A/100~1000A | 0~10A/10~100A/100~250A | 0~10A/10~100A/100~500A | 0~10A/10~100A/100~120A | 0~10A/10~100A/100~250A | |
| | RESOLUTION | 10mA/100mA | 100mA | 10mA/100mA | 10mA/100mA | 10mA/100mA | 10mA/100mA | |
| | ACCURACY | 0.1%+0.1%F.S | 0.1%+0.1%F.S | 0.1%+0.1%F.S | 0.1%+0.1%F.S | 0.1%+0.1%F.S | 0.1%+0.1%F.S | |
| PROTECTION | OPP(POWER) | 5200W | 5200W | 5200W | 5200W | 5200W | 5200W | |
| | OVP(VOLTAGE) | 81.6V | 81.6V | 255V | 255V | 510V | 510V | |
| | OCP(CURRENT) | 502A | 1020A | 255A | 510A | 122.4A | 255A | |
| | OTP(TEMP.) | 85℃ | 85℃ | 85℃ | 85℃ | 85℃ | 85℃ | |
| INPUT RESISTANCE(LOAD OFF) | | 2MΩ | 2MΩ | 2MΩ | 2MΩ | 2MΩ | 2MΩ | |
| V SENSE | | 0~80V | 0~80V | 0~250V | 0~250V | 0~500V | 0~500V | |
| I MONITOR | | 0~10V/0~500A | 0~10V/0~1000A | 0~10V/0~250A | 0~10V/0~500A | 0~10V/0~120A | 0~10V/0~250A | |
| EXTERNAL MODE | | 0~10V/0~500A | 0~10V/0~1000A | 0~10V/0~250A | 0~10V/0~500A | 0~10V/0~120A | 0~10V/0~250A | |
| PC INTERFACE | | RS-232/RS-485 | RS-232/RS-485 | RS-232/RS-485 | RS-232/RS-485 | RS-232/RS-485 | RS-232/RS-485 | |
| WEIGHT (APPROX) | | 63 kg | 63 kg | 63 kg | 63 kg | 63 kg | 63 kg | |
| DIMENSION(WxHxD)mm | | 500 x 720 x 680 | 500 x 720 x 680 | 500 x 720 x 680 | 500 x 720 x 680 | 500 x 720 x 680 | 500 x 720 x 680 | |