

# PROGRAMMABLE DC ELECTRONIC LOAD

## ELTO "S" - 2400 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-2400	SLH-2400	SML-2400	SMH-2400	SHL-2400	SHH-2400	
OPERATING RANGE	POWER	2.4KW	2.4KW	2.4kW	2.4kW	2.4kW	2.4kW	
	VOLTAGE	1.0~80V	1.0~80V	2~250V	2~250V	4~500V	4~500V	
	CURRENT	0~240A	0~480A	0~120A	0~240A	0~60A	0~120A	
	MIN. OPERATING VOLTAGE	1.0V at 240A	1.0V at 480A	2V at 120A	2V at 240A	4V at 60A	4V at 120A	
MODE	CC	RANGE	0~100A/100~240A	0~100A/100~480A	0~100A/100~120A	0~100A/100~240A	0~60A	0~100A/100~120A
		RESOLUTION	10mA/100mA	10mA/100mA	10mA/100mA	100mA	10mA	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/	0.05~100V/	0.05~100V/	0.05~100V/
		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/~2400W	~100W/~1000W/~2400W	~100W/~1000W/~2400W	~100W/~1000W/~2400W	~100W/~1000W/~2400W	~100W/~1000W/~2400W
		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	0.04~800Ω	0.01~800Ω	0.16~9000Ω	0.04~9000Ω	0.06~50kΩ	0.16~50kΩ
		RESOLUTION	1mΩ/10mΩ/100mΩ	1mΩ/10mΩ/100mΩ	1mΩ/10mΩ/100mΩ/1Ω	1mΩ/10mΩ/100mΩ/1Ω	1mΩ/10mΩ/100mΩ/1Ω/100Ω	1mΩ/10mΩ/100mΩ/1Ω/100Ω
		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	DYNAMIC	LOAD ON DELAY TIME	1ms~5000ms	1ms~5000ms	1ms~5000ms	1ms~5000ms	1ms~5000ms	1ms~5000ms
		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	0.001~12A/μs	0.001~24A/μs	0.001~6A/μs	0.001~6A/μs	0.001~3A/μs	0.001~6A/μs
		RESOLUTION	0.001A/μs	0.001A/μs	0.001A/μs	0.001A/μs	0.001A/μs	0.001A/μs
		CURRENT	0~100A/100~240A	0~100A/100~480A	0~100A/100~120A	0~100A/100~240A	0~60A	0~100A/100~120A
VOLTAGE READ BACK	RANGE	0~10V/10~80V	0~10V/10~80V	0~10V/10~100V/100~250V	0~10V/10~100V/100~250V	0~10V/10~100V/100~500V	0~10V/10~100V/100~500V	
	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/100~240A	0~10A/10~100A/100~480A	0~10A/10~100A/100~120A	0~10A/10~100A/100~240A	0~10A/10~60A	0~10A/10~100A/100~120A	
	RESOLUTION	10mA/100mA	10mA/100mA	10mA/100mA	100mA	10mA	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)	2496W	2496W	2496W	2496W	2496W	2496W	
	OVP(VOLTAGE)	81.6V	81.6V	255V	255V	510V	510V	
	OCP(CURRENT)	244.8A	489.6A	122.4A	244.8A	61.2A	122.4A	
	OTP(TEMP)	85℃	85℃	85℃	85℃	85℃	85℃	
INPUT RESISTANCE(LOAD OFF)		2MΩ	2MΩ	80kΩ	80kΩ	80kΩ	80kΩ	
V SENSE		0~80V	0~80V	0~250V	0~250V	0~500V	0~500V	
I MONITOR		0~10V/0~240A	0~10V/0~480A	0~10V/0~120A	0~10V/0~240A	0~10V/0~60A	0~10V/0~120A	
EXTERNAL MODE		0~10V/0~240A	0~10V/0~480A	0~10V/0~120A	0~10V/0~240A	0~10V/0~60A	0~10V/0~120A	
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)		33 kg	33 kg	33 kg	33 kg	33 kg	33 kg	
DIMENSION(WxHxD)mm		483 x 355 x 550	483 x 355 x 550	483 x 355 x 550	483 x 355 x 550	483 x 355 x 550	483 x 355 x 550	