

# PROGRAMMABLE DC ELECTRONIC LOAD

## ELTO "S" - 300 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		SL-300	SM-300	SH-300	
OPERATING RANGE	POWER	300W	300W	300W	
	VOLTAGE	1.0~80V	2~250V	4~500V	
	CURRENT	0~60A	0~30A	0~15A	
	MIN. OPERATING VOLTAGE	1.0V at 60A	2V at 30A	4V at 15A	
MODE	CC	RANGE	0~60A	0~30A	0~10A/10~15A
		RESOLUTION	10mA	10mA	1mA/10mA
		ACCURACY	0.06%+0.2%F.S	0.06%+0.2%F.S	0.06%+0.2%F.S
	CV	RANGE	0.05~80V	0.05~100V/100~250V	0.05~100V/100~500V
		RESOLUTION	10mV	10mV/100mV	10mV/100mV
		ACCURACY	0.08%+0.1%F.S	0.08%+0.1%F.S	0.08%+0.1%F.S
	CP	RANGE	0~100W/100~300W	0~100W/100~300W	0~100W/100~300W
		RESOLUTION	10mW/100mW	10mW/100mW	10mW/100mW
		ACCURACY	0.5%~0.5%F.S	0.5%+0.5%F.S	0.5%+0.5%F.S
	CR	RANGE	0.08~8000Ω	0.33~9000Ω	1.33~9000Ω
		RESOLUTION	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
FUNCTION	DYNAMIC	LOAD ON DELAY TIME	1ms~5000ms	1ms~5000ms	1ms~5000ms
		MEMORY	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
		RESOLUTION	100μs/1ms	100μs/1ms	100μs/1ms
		SLEW RATE	0.001~3A/μs	0.001~1.5A/μs	0.001~0.75A/μs
		RESOLUTION	0.001A/μs	0.001A/μs	0.001A/μs
		CURRENT	0~60A	0~30A	0~10A/10~15A
VOLTAGE READ BACK	RANGE	0~10V/10~80V	0~10V/10~100V/100~250V	0~10V/10~100V/100~500V	
	RESOLUTION	1mV/10mV	10mV/100mV	10mV/100mV	
	ACCURACY	0.05%+0.1%F.S	0.05%+0.1%F.S	0.05%+0.1%F.S	
CURRENT READ BACK	RANGE	0~10A/10~60A	0~10A/10~30A	0~10A/10~15A	
	RESOLUTION	10mA	10mA	1mA/10mA	
	ACCURACY	0.1%+0.1%F.S	0.1%+0.1%F.S	0.1%+0.1%F.S	
PROTECTION	OPP(POWER)	312W	312W	312W	
	OVP(VOLTAGE)	81.6V	255V	510V	
	OCP(CURRENT)	61.2A	30.6A	15.3A	
	OTP(TEMPERATURE)	85℃	85℃	85℃	
INPUT RESISTANCE(LOAD OFF)		80kΩ	80kΩ	80kΩ	
V SENSE		0~80V	0~250V	0~500V	
I MONITOR		0~10V/0~60A	0~10V/0~30A	0~10V/0~15A	
EXTERNAL MODE		0~10V/0~60A	0~10V/0~30A	0~10V/0~15A	
PC INTERFACE		RS-232/RS-485	RS-232/RS-485	RS-232/RS-485	
WEIGHT (APPROX)		9 kg	9 kg	9 kg	
DIMENSION(WxHxD)mm		140 x 200 x 400	140 x 200 x 400	140 x 200 x 400	