

MODEL: SL-10k / SM-10k / SH-10k (10k Watt)



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
- * 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 CONTROL, ATE SYSTEM
- * POWER SUPPLY LOAD REGULATION
- * CURRENT LIMIT TEST AND BATTERY EMULATION BY USING CV MODE

SPEC

ITEM		ELTO SLL-10K	ELTO SLM-10K	ELTO SLH-10K	
OPERATING RANGE	POWER	10KW	10KW	10KW	
	VOLTAGE	1.0~80V	1.0~80V	1.0~80V	
	CURRENT	0~500A	0~1000A	0~2000A	
	MIN. OPERATING VOLTAGE	1.0V at 500A	1.0V at 1000A	1.0V at 2000A	
MODaE	CC	RANGE	0~100A/100~500A	0~100A/100~1000A	0~100A/100~1000A /1000~2000A
		RESOLUTION	10mA/100mA	100mA	100mA/1A
		ACCURACY	0.06%+0.2%F.S	0.06%+0.2%F.S	0.06%+0.2%F.S
	CV	RANGE	0.05~80V	0.05~80V	0.05~80V
		RESOLUTION	10mV	10mV	10mV
		ACCURACY	0.08%+0.1%F.S	0.08%+0.1%F.S	0.08%+0.1%F.S
	CP	RANGE	0~100W/100~1000W /1000~10000W	0~100W/100~1000W /1000~10000W	0~100W/100~1000W /1000~10000W
		RESOLUTION	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
	CR	RANGE	0.04~10Ω/10~100Ω/ 100 ~800Ω	0.01~10Ω/10~100Ω/ 100 ~800Ω	0.002~10Ω/10~100Ω/ 100 ~800Ω
		RESOLUTION	1mΩ/10mΩ/100m Ω	1mΩ/10mΩ/100m Ω	1mΩ/10mΩ/100m Ω
		ACCURACY	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
	DYNAMIC	MEMORY	3CH(T1,T2,T3)	3CH(T1,T2,T3)	3CH(T1,T2,T3)
		TIME	100 μs~1s/1~5s	100 μs~1s/1~5s	100 μs~1s/1~5s

	RESOLUTION	100 μ s/1 ms	100 μ s/1 ms	100 μ s/1 ms
	SLEW RATE	0.001~25A/ μ s	0.001~25A/ μ s	0.001~100A/ μ s
	RESOLUTION	0.001A/ μ s	0.001A/ μ s	0.001A/ μ s
	CURRENT	0~100A/100~500A	0~100A/100~1000A	0~100A/100~1000A /1000~2000A
	RESOLUTION	10mA/100mA	100mA	100mA/1A
VOLTAGE READ BACK	RANGE	0~10V/10~80V	0~10V/10~80V	0~10V/10~80V
	RESOLUTION	1mV/10mV	1mV/10mV	1mV/10mV
	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/10~100A /100~500A	0~10A/10~100A /100~1000A	0~10A/10~100A /100~2000A
	RESOLUTION	10mA/100mA	100mA	100mA/1A
	ACCURACY	0.1%+0.1%F.S	0.1%+0.1%F.S	0.1%+0.1%F.S
PROTECTION	OPP(POWER)	10400W	10400W	10400W
	OVP(VOLTAGE)	81.6V	81.6V	81.6V
	OCP(CURRENT)	510A	1020A	2040A
	OTP(TEMPERATURE)	85°C	85°C	85°C
INPUT RESISTANCE(LOAD OFF)		2 M Ω	2 M Ω	2 M Ω
V SENSE		0~80V	0~80V	0~80V
I MONITOR		0~10V/0~500A	0~10V/0~1000A	0~10V/0~2000A
EXTERNAL MODE		0~10V/0~500A	0~10V/0~1000A	0~10V/0~2000A
PC INTERFACE		RS-232/RS-485	RS-232/RS-485	RS-232/RS-485

ITEM		ELTO SMH-10K	ELTO SML-10K	
OPERATING RANGE	POWER	10kW	10kW	
	VOLTAGE	2~250V	2~250V	
	CURRENT	0~1000A	0~500A	
	MIN. OPERATING VOLTAGE	2V at 1000A	2V at 500A	
MODE	CC	RANGE	0~100A/100~1000A	0~100A/100~500A
		RESOLUTION	100mA	100mA
		ACCURACY	0.06%+0.2%F.S	0.06%+0.2%F.S
	CV	RANGE	0.05~100V/100~250V	0.05~100V/100~250V
		RESOLUTION	10mV/100mV	10mV/100mV
		ACCURACY	0.08%+0.1%F.S	0.08%+0.1%F.S
	CP	RANGE	0~100W/100~1000W/1000~10000W	0~100W/100~1000W/1000~10000W
		RESOLUTION	10mW/100mW/1W	10mW/100mW/1W
		ACCURACY	0.5%+0.5%F.S	0.5%~0.5%F.S
CR	RANGE	0.01~10 Ω /10~100 Ω / 100 ~1000/1000~2500 Ω	0.04~10 Ω /10~100 Ω / 100 ~1000/1000~2500 Ω	
	RESOLUTION	1m Ω /10m Ω /100m Ω /1 Ω	1m Ω /10m Ω /100m Ω /1 Ω	
	ACCURACY	0.06%+0.2%F.S	0.06%+0.2%F.S	
FUNCTION	LOAD ON DELAY TIME		1ms~5000ms	1ms~5000ms
	DYNAMIC	MEMORY	3CH(T1,T2,T3)	3CH(T1,T2,T3)
		TIME	100 μ s~1s/1~5s	100 μ s~1s/1~5s

		RESOLUTION	100 μ s/1 ms	100 μ s/1 ms
		SLEW RATE	0.001~50A/ μ s	0.001~25A/ μ s
		RESOLUTION	0.001A/ μ s	0.001A/ μ s
		CURRENT	0~100A/100~1000A	0~100A/100~500A
		RESOLUTION	100mA	100mA
VOLTAGE READ BACK		RANGE	0~10V/10~100V/100~250V	0~10V/10~100V/100~250V
		RESOLUTION	10mV/100mV	10mV/100mV
		ACCURACY	0.05%+0.1%F.S	0.05%+0.1%F.S
CURRENT READ BACK		RANGE	0~10A/10~100A/100~1000A	0~10A/10~100A/100~500A
		RESOLUTION	100mA	100mA
		ACCURACY	0.1%+0.1%F.S	0.1%+0.1%F.S
PROTECTION		OPP(POWER)	10400W	10400W
		OVP(VOLTAGE)	255V	255V
		OCP(CURRENT)	1040A	510A
		OTP(TEMPERATURE)	85°C	85°C
INPUT RESISTANCE(LOAD OFF)			80k Ω	80k Ω
V SENSE			0~250V	0~250V
I MONITOR			0~10V/0~1000A	0~10V/0~500A
EXTERNAL MODE			0~10V/0~1000A	0~10V/0~500A
PC INTERFACE			RS-232/RS-485(GPIB OPTION)	RS-232/RS-485(GPIB OPTION)

ITEM		ELTO SHL-10K	ELTO SHH-10K	
OPERATING RANGE	POWER	10kW	10kW	
	VOLTAGE	4~500V	4~500V	
	CURRENT	0~250A	0~500A	
	MIN. OPERATING VOLTAGE	4V at 250A	4V at 500A	
MODE	CC	RANGE	0~100A/100~250A	0~100A/100~500A
		RESOLUTION	100mA	100mA
		ACCURACY	0.06%+0.2%F.S	0.06%+0.2%F.S
	CV	RANGE	0.05~100V/100~500V	0.05~100V/100~500V
		RESOLUTION	10mV/100mV	10mV/100mV
		ACCURACY	0.08%+0.1%F.S	0.08%+0.1%F.S
	CP	RANGE	0~100W/100~1000W/1000~10000W	0~100W/100~1000W/1000~10000W
		RESOLUTION	10mW/100mW/1W	10mW/100mW/1W
		ACCURACY	0.5%+0.5%F.S	0.5%+0.5%F.S
	CR	RANGE	0.16~10 Ω /10~100 Ω / 100~1000/1000~5000 Ω	0.04~10 Ω /10~100 Ω / 100~1000/1000~5000 Ω
		RESOLUTION	1m Ω /10m Ω /100m Ω /1 Ω	1m Ω /10m Ω /100m Ω /1 Ω
		ACCURACY	0.06%+0.2%F.S	0.06%+0.2%F.S
FUNCTION	LOAD ON DELAY TIME		1ms~5000ms	1ms~5000ms
	DYNAMIC	MEMORY	3CH(T1,T2,T3)	3CH(T1,T2,T3)
		TIME	100 μ s~1s/1~5s	100 μ s~1s/1~5s
		RESOLUTION	100 μ s/1 ms	100 μ s/1 ms
		SLEW RATE	0.001~12.5A/ μ s	0.001~25A/ μ s
		RESOLUTION	0.001A/ μ s	0.001A/ μ s
		CURRENT	0~100A/100~250A	0~100A/100~500A
		RESOLUTION	100mA	100mA
VOLTAGE READ BACK		RANGE	0~10V/10~100V/100~500V	0~10V/10~100V/100~500V
		RESOLUTION	10mV/100mV	10mV/100mV
		ACCURACY	0.05%+0.1%F.S	0.05%+0.1%F.S
CURRENT READ BACK		RANGE	0~10A/10~100A/100~250A	0~10A/10~100A/100~500A
		RESOLUTION	100mA	100mA

	ACCURACY	0.1%+0.1%F.S	0.1%+0.1%F.S
PROTECTION	OPP(POWER)	10400W	10400W
	OVP(VOLTAGE)	510V	510V
	OCP(CURRENT)	255A	510A
	OTP(TEMPERATURE)	85℃	85℃
	INPUT RESISTANCE(LOAD OFF)	80kΩ	80kΩ
V SENSE	0~500V	0~500V	
I MONITOR	0~10V/0~250A	0~10V/0~500A	
EXTERNAL MODE	0~10V/0~250A	0~10V/0~500A	
PC INTERFACE	RS-232/RS-485(GPIB OPTION)	RS-232/RS-485(GPIB OPTION)	