

SPECIFICATIONS

Programmable DC Power Supply

MODEL : EX60 - 10TB



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Parameter			Specifications	
Output rating(@0℃ ~ 40℃)	Voltage		0 to 60.0	Maximum 63.0
	Current		0 to 10.0	Maximum 10.5
Output WATT			0.7 KW	
Programming Accuracy (@25℃ ± 5℃)± (%of output + offset)	Voltage		0.1% + 90.0mV	
	Current		0.1% + 30.0mA	
Readback Accuracy (@25℃ ± 5℃)± (%of output + offset)	Voltage		0.1% + 60.0mV	
	Current		0.1% + 20.0mA	
Ripple and Noise(20Hz to 20MHz)			≤ 10mVrms	
Load Regulation (with V- Sensing)			≤ 60 mV	
Line Regulation (with V- Sensing)			≤ 60 mV	
Resolution	Programming/ Readback		≤ 1.5mV / ≤ 0.3mA	
	Display Meter		10mV / 10mA	
Temperature Coefficient	Voltage		≤ 12.0mV	
After a 30- minute warm- up	Current		≤ 3.0mA	
Stability ± (%of output + offset)	Voltage		≤ 30.0mV	
After a 1 hour warm- up	Current		≤ 5.0mA	
Voltage Programming Speed (10%~ 90% of output voltage)	Half load	Rising time	≤ 300ms	
		Falling time	≤ 300ms	
Remote Sensing Capability	Voltage Drop		Up to 2.5V per each lead	
	Load Regulation		Add 5 mV to spec for each 1- volt change in the + output lead due to load current changes	
	Load Voltage		Subtract voltage drop in load leads from specified output voltage rating.	
OVP and OCP Accuracy ± (%of output + offset)	OVP		1% + 0.6V	
	OCP		1% + 1.0A	
	Activation Time		< 80ms when maximum output rating	
Output Voltage Overshoot & Undershoot	Power Switch ON/OFF		No overshoot, undershoot : ≤ - 0.8V	
	Voltage Output Setting		No overshoot, No undershoot	
Remote Interface			RS232C , RS485 , USB Standard	
Programming Language			SCPI(Standard Commands for Programmable Instruments)	
Command Processing Time(average)	Apply	Setting	20ms	
		Query	32ms	
	Output Setting	Voltage & Current Setting	15ms	
		Voltage & Current Query	32ms	
	Measurement	Voltage & Current Query	32ms	
	The Other	Setting & Query	< 35ms	
State Storage Memory			Ten user- configurable(voltage,current,protection level)stored states	
Operation Temperature			0℃ ~ 40℃ for full rated output. At higher temperatures the output current is derated linearly to 50% at 55℃ maximum temperature	
Cooling			Isolation DC FAN	
Output Terminal Isolated (maximum, from chassis ground)			± 60 Vdc when connecting shorting conductors without insulation to the (+)output to the (+)sense and the (-)output and the (-)sense terminals	
AC Input Ratings	Standard		single phase 220V ± 10% 50~ 60Hz	
Calibration Interval	Precision		6 month	
	Recommended		1 year	
Dimensions (19" Standard)			265(W) * 75(H) * 404(D)	
Maximum Input Power(full load)			0.8 KW	
Weight	Net weight		6 kg	
	Gross weight		7.5kg	

*상기모델은 사용자 Application에 최적화하기위해 예고없이 사양변경될 수 있으므로 구입전 확인하시기 바랍니다.