

# SPECIFICATIONS

Programmable DC Power Supply

MODEL : EX50 - 12



# ODA

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Parameter			Specifications	
Output rating(@0℃ ~ 40℃)		Voltage	0 to 50.0	Maximum 52.5
		Current	0 to 12.0	Maximum 12.6
Output WATT			0.7 KW	
Programming Accuracy (@25℃ ±5℃)±(%of output + offset)		Voltage	0.1% + 75.0mV	
		Current	0.1% + 36.0mA	
Readback Accuracy (@25℃ ±5℃)±(%of output + offset)		Voltage	0.1% + 50.0mV	
		Current	0.1% + 24.0mA	
Ripple and Noise(20Hz to 20MHz)			≤ 10mVrms	
Load Regulation (with V-Sensing)			≤ 50 mV	
Line Regulation (with V-Sensing)			≤ 50 mV	
Resolution		Programming/Readback	≤ 0.9mV / ≤ 0.2mA	
		Display Meter	10mV / 10mA	
Temperature Coefficient		Voltage	≤ 10.0mV	
After a 30-minute warm-up		Current	≤ 3.6mA	
Stability ±(%of output + offset) After a 1 hour warm-up		Voltage	≤ 25.0mV	
		Current	≤ 6.0mA	
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% + 0.5V
		OCP		1% + 1.2A
		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 (TCP/IP Option)	
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	단상 220V ± 10% 50~60Hz	
			3상 380V ± 10% 50~60Hz	
		Option	단상 100V ± 10% 50~60Hz	
			단상 230V ± 10% 50~60Hz	
Calibration Interval		Precision	6 month	
		Recommended	1 year	
Dimensions (19" Standard)			426(W) * 44(H) * 550(D)	
Maximum Input Power(full load)			0.8 KW	
Weight		Net weight	5.75kg	
		Gross weight	7.25kg	

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