SPECIFICATIONS

Programmable DC Power Supply

MODEL : EX30 - 240

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Parameter			Specifications	
Output rating(@0℃ ~ 40℃)	Voltage		0 to 30.0	Maximum 31.5
	Current		0 to 240.0	Maximum 252.0
Output WATT			7.9 KW	
Programming Accuracy	Voltage		0.1% + 45.0mV	
(@25℃ ±5℃)±(%of output + offset)	Current		0.1% + 720.0mA	
Readback Accuracy	Voltage		0.1% + 30.0mV	
(@25℃ ±5℃)±(%of output + offset)	Current		0.1% + 480.0mA	
Ripple and Noise(20Hz to 20MHz)			≤ 30mVrms	
Load Regulation (with V-Sensing)			≤ 30 mV	
Line Regulation (with V-Sensing)			≤ 30 mV	
Resolution	Programming/Readback		≤ 0.6mV / ≤ 3.8mA	
	Display Meter		10mV / 100mA	
Temperature Coefficient	Voltage		≤ 6.0mV	
After a 30-minute warm-up	Current		≤ 72.0mA	
Stability ±(%of output + offset)	Voltage		≤ 15.0mV	
After a 1 hour warm-up	Current		≤ 120.0mA	
Voltage Programming Speed	Half load	Rising time	≤ 300ms	
(10%~90% of output voltage)		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 ratiing.	
OVP and OCP Accuracy ±(%of output + offset)	OVP		1% + 0.3V	
	OCP		1% + 24.0A	
	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 (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		Single Phase 220V ± 10% 50~60Hz	
	Option		Three Phase 380V ± 10% 50~60Hz	
			Single Phase 100V ± 10% 50~60Hz	
			Single Phase 230V ± 10% 50~60Hz	
Calibration Interval	Precision		6 month	
	Recommended		1 year	
Dimensions (19'' Standard)			426(W) * 176(H) * 550(D)	
Maximum Input Power(full load)			9.5 KW	
Weight	Net weight		29㎏	
	Gross weight		30.5㎏	