

SPECIFICATIONS

Programmable DC Power Supply

MODEL : ORS-305CF



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Parameter		Specifications
Output rating(@0°C ~ 40°C)	Voltage	0 to 30V
	Current	0 to 5A
	Fixed output	5V / 1A
Output Setting(@0°C ~ 40°C) (by using variable volume knob)	Voltage	0 to ≤ 30V ~ ≤ 32V
	Current	≤ 20mA to ≤ 5A ~ ≤ 5.25A
	Fixed output	± 5%
Output WATT		155W
Readback Accuracy (@25°C ±5°C)±(%of output + offset)	Voltage	0.1% + 2dgt
	Current	0.1% + 2dgt
Display Resolution (FND Display)		10mV / 1mA
Ripple and Noise(20Hz to 20MHz)	Voltage	≤ 0.5mVrms
	Current	≤ 2mArms
	Fixed Voltage	≤ 2mVrms
Load Regulation ±(%of output + offset)	Voltage	0.1% + 20mV
	Current	0.1% + 5mA
	Fixed Voltage	0.15% + 20mV
Line Regulation ±(%of output + offset)	Voltage	0.1% + 20mV
	Current	0.1% + 5mA
	Fixed Voltage	0.15% + 20mV
Temperature Coefficient ±(%of output + offset) After a 30-minute warm-up	Voltage	0.2% + 3mV
	Current	0.5% + 3mA
Stability ±(%of output + offset) After a 1 hour warm-up	Voltage	0.2% + 2mV
	Current	0.5% + 5mA
Output Voltage Overshoot & Undershoot	Power Switch ON/OFF	No overshoot, No undershoot
	Voltage Output Setting	No overshoot, No undershoot
Operation Temperature		0°C ~ 40°C for full rated output. At higher temperatures the output current is derated linearly to 50% at 55°C maximum temperature
Cooling		Nature air cooling
AC Input Ratings(Include select switch)		115V ± 10% 50~60Hz
		230V ± 10% 50~60Hz
Calibration interval (Recommended)		1 year
Dimensions		130mm(W) * 165mm(H) * 310mm(D)
Maximum Input Power(full load)		435W
Weight	Net weight	6kg
	Gross weight	7.5kg