



and ISO9001 Certification

These are variable, very stable, regulated multiple output DC power supplies which allow continuous adjustment of both the output voltage and current levels.

The HY3005-2 and HY5003-2 units have dual LED displays and each display can be selected for either voltage or current display.

The HY3005D-2, HY5003D-2 and HY3005D-3 units have four LCD displays allowing the output voltages and currents to be displayed simultaneously. The HY3005D-3 unit has three outputs with one output being fixed at 5V / 3A. Both series and parallel connection is possible allowing twice the voltage or current and outputs can be tracked relative to the master output. The highest output is the sum of twice the voltage value in series mode and the highest output current is the sum of twice the current value when in parallel mode.

The HY3005S-3 units have four analogue displays allowing the output voltages and currents to be displayed simultaneously. The HY3005S-3 units also have three outputs with one output being fixed at 5V 3A. Both series and parallel connection is possible allowing twice the voltage or current and outputs can be tracked relative to the master output. The highest output is the sum of twice the voltage value in series mode and the highest output current is the sum of twice the current value when in parallel mode.



Model HY3005-2 & HY5003-2



Model HY3005D-2 & HY5003D-2



Model HY3005D-3



Model HY3005S-3

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	FIXED OUTPUT	DISPLAY
HY3005-2	2 x 0 - 30V	2 x 0 - 5A	No	2 x LED Displays
HY3005D-2	2 x 0 - 30V	2 x 0 - 5A	No	4 x Lcd Displays
HY5003-2	2 x 0 - 50V	2 x 0 - 3A	No	2 x LED Displays
HY5003D-2	2 x 0 - 50V	2 x 0 - 3A	No	4 x LCD Displays
HY3005D-3	2 x 0 - 30V	2 x 0 - 5A & 5V / 3A	Yes	4 x LCD Displays
HY3005S-3	2 x 0 - 30V	2 x 0 - 5A & 5V / 3A	Yes	4 x Analogue Displays

TECHNICAL SPECIFICATIONS

Input Voltage	220V or 110V AC \pm 10%	50Hz / 60Hz \pm 2Hz
Output Voltage	0 - 30V or 0 - 50V	
Output Current	2A, 3A or 5A	
Line Regulation	< 0.01% + 2mV	< 0.2% + 2mA
Load Regulation	< 0.01% + 3mV (I < 3A)	< 0.2% + 3mA (I < 3A)
	< 0.01% + 5mV (I < 3A)	< 0.2% + 5mA (I < 3A)
Ripple and noise	< 0.5mV r.m.s (I < 3A)	< 3mAr.m.s (I < 3A)
	< 1.0mV r.m.s (I < 3A)	< 6mAr.m.s (I < 3A)
Protection	Constant current and short-circuit protection	
Voltage indication accuracy	LED/LCD \pm 1% + 2 digits analogue display 2.5%	
Current indication accuracy	LED/LCD \pm 2% + 2 digits analogue display 2.5%	
FIXED OUTPUT		
Output voltage	5V \pm 2.5%	
Output current	3A	
Line regulation	< 0.01% + mV	
Load regulation	< 0.1%	
Ripple and noise	< 0.5m Vr.m.s	
Protection	Current limit and short-circuit protection	
Environment	0 + 40 deg. C / Relative humidity : < 90%	
Approvals	CE	