

10. SPECIFICATIONS

Models	HCS-3100	HCS-3102	HCS-3104
Output			
Variable Output Voltage	1 – 18VDC	1 – 36VDC	1 - 60VDC
Variable Output Current	0 - 10A	0 - 5A	0 – 2.5A
Voltage Regulation			
Load (10-100% Load)	50mV		
Line (90-264VAC Variation)	20mV		
Current Regulation			
Load (10-90% Rated Voltage)	100mA	100mA	100mA
Line (90-264VAC Variation)	50mA		
Ripple & Noise			
Ripple & Noise (r.m.s.) Voltage	5mV		
Ripple & Noise (peak-peak) Voltage	50mV	50mV	50mV
Current Ripple & Noise (r.m.s.)	30mA	30mA	30mA
Meter Type & Accuracy			
Voltage Meter	3 Digit LED Display ±0.2% +3 counts		
Current Meter	3 Digit LED Display ±0.2% +3 counts		
Other			
Input Voltage	100 – 240VAC 50/60Hz~		
Full Load Input Current (230/100Vac)	1.2 / 2.4A	1.2 / 2.5A	1.0 / 2.0A
Efficiency (@ 230Vac)	82.5%	82.9%	83.3%
Switching Frequency	100 – 120Khz~	100 – 120Khz~	100 – 120Khz~
Tracking Over Voltage Protections	O/P 1-5V: set voltage +2V O/P 5-18V: set voltage +3V	O/P 1-5V: set voltage +2V O/P 5-20V: set voltage +3V O/P 20-36V: set voltage +4V	O/P 1-5V: set voltage +2V O/P 5-20V: set voltage +3V O/P 20-60V: set voltage +4V
Transient Response Time (50-100%Load)	1.5ms		
Power Factor Control	Power factor correction >0.95 at optimal load		
Cooling Method	Thermostatic Control Fan from Zero to full speed		
Protections	Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temperature		
Special Features	3 User defined VI preset, Remote control V, I and output on-off		
Preset Cycle Programming	Max. 20 presets of V & I Max. preset time 99min. + 59sec. Max. preset cycle 999		
Accessory	User Manual, Application Software, USB cable		
Approvals	CE		
Dimensions (WxHxD)	200 x 90 x 208 mm 7.9 x 3.5 x 8.2 inch		
Weight	2.4 kg 5.2 lbs		