

11. SPECIFICATIONS

| Models | HCS-3600 | HCS-3602 | HCS-3604 |
|--|---|--|--|
| Output | | | |
| Variable Output Voltage | 1 - 16VDC | 1 - 32VDC | 1 - 60VDC |
| Variable Output Current | 0 - 60A | 0 - 30A | 0 - 15A |
| Voltage Regulation | | | |
| Load (0-100% Load) | 50mV | | |
| Line (170-264VAC Variation) | 20mV | | |
| Current Regulation | | | |
| Load (10-90% Rated Voltage) | 200mA | 150mA | 100mA |
| Line (170-264VAC Variation) | 50mA | | |
| Ripple & Noise | | | |
| Ripple & Noise (r.m.s.) Voltage | 5mV | | |
| Ripple & Noise (peak-peak) Voltage | 50mV | 50mV | 100mV |
| Current Ripple & Noise (r.m.s.) | 100mA | 40mA | 15mA |
| Meter Type & Accuracy | | | |
| Voltage Meter | 3 Digit LED Display $\pm 0.2\%$ +3 counts | | |
| Current Meter | 3 Digit LED Display $\pm 0.2\%$ +3 counts | | |
| Other | | | |
| Input Voltage | 220 – 240VAC 50/60Hz~ (or on request) | | |
| Full Load Input Current | 4.7A | 4.5A | 4.5A |
| Efficiency | 85% | 86% | 88% |
| Switching Frequency | 65 – 85Khz~ | 75 – 95Khz~ | 65 – 85Khz~ |
| Tracking Over Voltage Protections | O/P 1-5V: set voltage +2V O/P 5-15V: set voltage +3V | O/P 1-5V: set voltage +2V O/P 5-20V: set voltage +3V O/P 20-30V: 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, Remote Sensing (for HCS-3600 only) | | |
| Approvals | CE | | |
| Dimensions (WxHxD) | 200 x 90 x 275 mm 7.9 x 3.5 x 10.8 inch | | |
| Weight | 3.2 kg 7 lbs | | |