Indoor / Outdoor Long-term Model

Online Type Stability Voltage Uninterruptible Power System

**12VDC Powered Distance Voltage Drop Test Report**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Battery Voltage** | **Test conditions** | | | | **Distance** | | | | |
| Transformers  No Power Supply | Transformers Power Supply | Camera  No Power Supply | Camera Power Supply | **1.5M** | **47M**  1.5+45  +0.5=47 | **55M**  1.5+45  +1.5\*5+1=55 | **63M**  1.5+45  +1.5\*10+1.5=63 | **71M**  1.5+45  +1.5\*15+2=71 |
| Measuring Voltage | **13.3V** | **▓** |  | **▓** |  | **13.3V** | **13.3V** | **13.29V** | **13.29V** | **13.28V** |
| **DC voltage difference distance less than the AC voltage difference from many (Consistent with the theory of electricity)** | | | | | | | | | | |
| Measuring Voltage | **13.2V** | **▓** |  |  | **▓** | **13.05V** | **12.44V** | **12.12V** | **11.74V** | **11.46V** |
| Camera Operation |  |  |  |  |  | **OK** | **OK** | **OK** | **OK** | **OK** |
| **Thread number not included in voltage reduction assessments** | | | | | | | | | | |
| Measuring Voltage | **13.2V** |  | **▓** |  | **▓** | **13.06V** | **12.5V** | **12.23V** | **11.9V** | **11.52V** |
| Camera Operation |  |  |  |  |  | **OK** | **OK** | **OK** | **OK** | **OK** |
| Recommended 1:12VDC power supply within distance to 50M is good.  Recommended 2 distance after over 50M: 12VDC power supply, voltage after voltage drop is less than 12.3V, but because most of the cameras are operating within the range of 9V~16V, therefore can also be functioning properly. | | | | | | | | | | |