

## DPS-F1B10

## **CCTV Single Output 10A Power Supply**



### **KEY FEATURES**

- Metal Case Power Supply.
- Surge Protection provided.
- Stabilized Output with Low Interference.
- Overload & Short Circuit Protection
- Thermal protected auto restart
- LED Indicator to indicate Power ON
- Output Voltage 12V 10A
- Input Voltage-180VAC-264VAC 50/60Hz



# DPS-F1B10

#### 10A CCTV Single Output Power Supply

#### SPECIFICATION

| D-Link SKUDPS-F1B10Product DescriptionCCTV Single Output 10A Power SupplyInput voltage180~264VACOutput voltage12V DCCurrent RangeO~10ARated Power110WRipple & Noise (max:)100-150-mV P-PVoltage Idj; Range11.4~13.2VLine Regulation41;0%Voltage Tolerance±2;0%Setup Rise time600ms, 30ms at full loadHold Up Time (Typ:)13ms at full loadLoad Regulation±5;0%Temperature coefficient±0;03%/*C (0~50°C)Frequency Range47~63HZEfficiency (Typ:)84%C Current (Typ:)SmA@115VAC & 3mA/230VACInrush Current (Typ:)20A/115VAC & 3mA/230VACInrush Current (Typ:)20A/115VAC & 3mA/230VACIsolation ResistanceI/P-O/P. I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RHWorking Humidity20~90% RH Non-condensingVibration10~500Hz, 3G 10min; /1 cycle,60min; each along X, Y, Z axisDimension187(L) x 103(W) x Szmm(H)Store temperature-20~440°CWithstand VoltazeI/P-O/P: 1; 5KVAC U/P-FG: 1; 5KVAC O/P-FG:0; 5KVAC | POWER SUPPLY            |   |
|---|-------------------------|---|
| Input voltage         180°264VAC           Output voltage         12V DC           Current Range         0°10A           Rated Power         110W           Ripple & Noise (max;)         100-150-mV P-P           Voltage Idj; Range         11.4°13.2V           Line Regulation         ±1;0%           Voltage Tolerance         ±2;0%           Setup Rise time         600ms, 30ms at full load           Hold Up Time (Typ;)         13ms at full load           Load Regulation         ±5;0%           Temperature coefficient         ±0;03%/°C (0°50°C)           Frequency Range         47~63HZ           Efficiency (Typ;)         84%           C Current (Typ;)         SmA@115VAc & 3mA/230VAC           Inrush Current (Typ;)         20A/115VAC 40A/230VAC           Leakage Current         <2mA / 240VAC   | D-Link SKU              | DPS-F1B10   |
| Output voltage         12V DC           Current Range         0~10A           Rated Power         110W           Ripple & Noise (max;)         100-150-mV P-P           Voltage Idj; Range         11.4~13.2V           Line Regulation         ±1;0%           Voltage Tolerance         ±2;0%           Setup Rise time         600ms, 30ms at full load           Hold Up Time (Typ;)         13ms at full load           Load Regulation         ±5;0%           Temperature coefficient         ±0;03%/°C (0~50°C)           Frequency Range         47~63HZ           Efficiency (Typ;)         84%           C Current (Typ;)         5mA@115VAC & 3mA/230VAC           Inrush Current (Typ;)         20A/115VAC 40A/230VAC           Leakage Current         <2mA / 240VAC  | Product Description     | CCTV Single Output 10A Power Supply                           |
| Current Range         0°10A           Rated Power         110W           Ripple & Noise (max;)         100-150-mV P-P           Voltage Idj; Range         11.4~13.2V           Line Regulation         ±1,0%           Voltage Tolerance         ±2,0%           Setup Rise time         600ms, 30ms at full load           Hold Up Time (Typ;)         13ms at full load           Load Regulation         ±5,0%           Temperature coefficient         ±0,03%/°C (0~50°C)           Frequency Range         47~63HZ           Efficiency (Typ;)         84%           C Current (Typ;)         SmA@115VAc & 3mA/230VAC           Inrush Current (Typ;)         20A/115VAc & 3mA/230VAC           Leakage Current         <2mA / 240VAC  | Input voltage           | 180~264VAC  |
| Rated Power         110W           Ripple & Noise (max;)         100-150-mV P-P           Voltage Idj; Range         11.4~13.2V           Line Regulation         ±1;0%           Voltage Tolerance         ±2;0%           Setup Rise time         600ms, 30ms at full load           Hold Up Time (Typ;)         13ms at full load           Load Regulation         ±5;0%           Temperature coefficient         ±0;03%/°C (0~50°C)           Frequency Range         47~63HZ           Efficiency (Typ;)         84%           C Current (Typ;)         5mA@115VAC & 3mA/230VAC           Inrush Current (Typ;)         20A/115VAC & 3mA/230VAC           Leakage Current         <2mA / 240VAC  | Output voltage          | 12V DC  |
| Ripple & Noise (max;)         100-150-mV P-P           Voltage ldj; Range         11.4~13.2V           Line Regulation         ±1,0%           Voltage Tolerance         ±2,0%           Setup Rise time         600ms, 30ms at full load           Hold Up Time (Typ;)         13ms at full load           Load Regulation         ±5,0%           Temperature coefficient         ±0;03%/°C (0~50°C)           Frequency Range         47~63HZ           Efficiency (Typ;)         84%           C Current (Typ;)         SmA@115VAC & 3mA/230VAC           Inrush Current (Typ;)         20A/115VAC & 3mA/230VAC           Leakage Current         <2mA / 240VAC   | Current Range           | 0~10A   |
| Voltage ldj; Range11.4~13.2VLine Regulation±1,0%Voltage Tolerance±2,0%Setup Rise time600ms, 30ms at full loadHold Up Time (Typ;)13ms at full loadLoad Regulation±5;0%Temperature coefficient±0;03%/°C (0~50°C)Frequency Range47~63HZEfficiency (Typ;)84%C Current (Typ;)5mA@115VAc & 3mA/230VACInrush Current (Typ;)20A/115VAc 40A/230VACLeakage Current<2mA / 240VAC   | Rated Power             | 110W  |
| Line Regulation±1;0%Voltage Tolerance±2;0%Setup Rise time600ms, 30ms at full loadHold Up Time (Typ;)13ms at full loadLoad Regulation±5;0%Temperature coefficient±0;03%°C (0~50°C)Frequency Range47~63HZEfficiency (Typ;)84%C Current (Typ;)5mA@115VAc & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC  | Ripple & Noise (max;)   | 100-150-mV P-P  |
| Voltage Tolerance±2;0%Setup Rise time600ms, 30ms at full loadHold Up Time (Typ;)13ms at full loadLoad Regulation±5;0%Temperature coefficient±0;03%/°C (0~50°C)Frequency Range47~63HZEfficiency (Typ;)84%C Current (Typ;)5mA@115VAc & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC   | Voltage !dj; Range      | 11.4~13.2V  |
| Setup Rise time600ms, 30ms at full loadHold Up Time (Typ;)13ms at full loadLoad Regulation±5;0%Temperature coefficient±0;03%/°C (0~50°C)Frequency Range47~63HZEfficiency (Typ;)84%C Current (Typ;)5mA@115VAC & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC   | Line Regulation         | ±1;0%   |
| Hold Up Time (Typ;)13ms at full loadLoad Regulation±5;0%Temperature coefficient±0;03%/°C (0~50°C)Frequency Range47~63HZEfficiency (Typ;)84%C Current (Typ;)5mA@115VAC & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC  | Voltage Tolerance       | ±2;0%   |
| Load Regulation±5;0%Temperature coefficient±0;03%/°C (0~50°C)Frequency Range47~63HZEfficiency (Typ;)84%C Current (Typ;)5mA@115VAc & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC  | Setup Rise time         | 600ms, 30ms at full load                                      |
| Temperature coefficient±0;03%/°C (0~50°C)Frequency Range47~63HZEfficiency (Typ;)84%C Current (Typ;)5mA@115VAc & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC  | Hold Up Time (Typ;)     | 13ms at full load   |
| Frequency Range47~63HZEfficiency (Typ;)84%C Current (Typ;)5mA@115VAc & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC   | Load Regulation         | ±5;0%   |
| Efficiency (Typ;)84%C Current (Typ;)5mA@115VAc & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC   | Temperature coefficient | ±0;03%/°C (0~50°C)  |
| C Current (Typ;)SmA@115VAc & 3mA/230VACInrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC   | Frequency Range         | 47~63HZ   |
| Inrush Current (Typ;)20A/115VAC 40A/230VACLeakage Current<2mA / 240VAC  | Efficiency (Typ;)       | 84%   |
| Leakage Current<2mA / 240VACOverload110~200% rated output power, Protection type: Shut down O/P, re-power<br>on to recoverIsolation ResistanceI/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RHWorking Humidity20~90% RH Non-condensingVibration10~500Hz, 3G 10min; /1 cycle,60min; each along X, Y, Z axisDimension187(L) x 103(W) x 52mm(H)Store temperature-20~+85°C, 10~95% RHWorking temperature-20~+40°C  | C Current (Typ;)        | 5mA@115VAc & 3mA/230VAC                                       |
| Overload110~200% rated output power, Protection type: Shut down O/P, re-power<br>on to recoverIsolation ResistanceI/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RHWorking Humidity20~90% RH Non-condensingVibration10~ 500Hz, 3G 10min; /1 cycle,60min; each along X, Y, Z axisDimension187(L) x 103(W) x 52mm(H)Store temperature-20~+85°C, 10~95% RHWorking temperature-20~+40°C   | Inrush Current (Typ;)   | 20A/115VAC 40A/230VAC   |
| Overloadon to recoverIsolation ResistanceI/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RHWorking Humidity20°90% RH Non-condensingVibration10 ~ 500Hz, 3G 10min; /1 cycle,60min; each along X, Y, Z axisDimension187(L) x 103(W) x 52mm(H)Store temperature-20°+85°C, 10°95% RHWorking temperature-20°+40°C   | Leakage Current         | <2mA / 240VAC   |
| Working Humidity20~90% RH Non-condensingVibration10~500Hz, 3G 10min; /1 cycle,60min; each along X, Y, Z axisDimension187(L) x 103(W) x 52mm(H)Store temperature-20~+85°C, 10~95% RHWorking temperature-20~+40°C   | Overload                |   |
| Vibration10 ~ 500Hz, 3G 10min; /1 cycle,60min; each along X, Y, Z axisDimension187(L) x 103(W) x 52mm(H)Store temperature-20~+85°C, 10~95%RHWorking temperature-20~+40°C  | Isolation Resistance    | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH     |
| Dimension187(L) x 103(W) x 52mm(H)Store temperature-20~+85°C, 10~95%RHWorking temperature-20~+40°C  | Working Humidity        | 20~90% RH Non-condensing                                      |
| Store temperature-20~+85°C, 10~95%RHWorking temperature-20~+40°C  | Vibration               | 10 ~ 500Hz, 3G 10min; /1 cycle,60min; each along X, Y, Z axis |
| Working temperature -20~+40°C   | Dimension               | 187(L) x 103(W) x 52mm(H)                                     |
|   | Store temperature       | -20~+85°C, 10~95%RH   |
| Withstand Voltage I/P-O/P: 1; 5KVAC I/P-FG: 1: 5KVAC O/P-FG:0: 5KVAC  | Working temperature     | -20~+40°C   |
|   | Withstand Voltage       | I/P-O/P: 1; 5KVAC I/P-FG: 1; 5KVAC O/P-FG:0; 5KVAC            |

