



SBU120 series

120W Open frame type switching power supplies for I.T.E.

The SBU120 series of compact, open frame constructed, AC/DC switching mode power supplies provide 120 Watts of continuous output power. They are suited for use in based systems, portable equipments and many other applications. All models meet FCC Part-15 class B and CISPR-22 class B emission Limits and are designed to comply with UL/c-UL(UL 60950-1:2nd Edition) ,TUV/GS(EN 60950-1:2nd Edition) and new CE requirements. All units are 100% burned in and tested.



Features

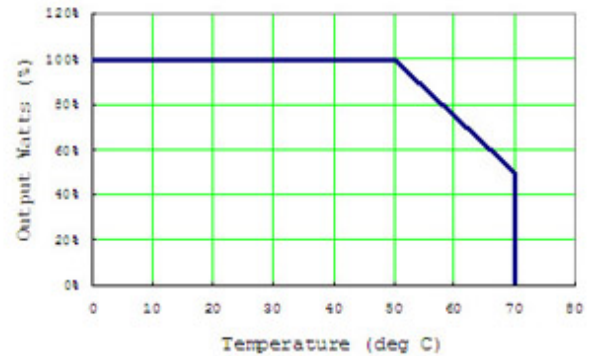
- Wide Operating Voltage 90 to 260 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3051 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3131 and Molex 2478 series crimp terminal
- Single to Triple Output
- Input Surge Current, Over Voltage and Over Load Protection
- Size: 3"x5"x1.32"
- Active Power Factor Correction
- Class I
- 2 year warranty

Electrical characteristics

- Efficiency: 80% typ.
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 16mS min.
- Output ripple and noise: 1% (max.).
- (The Ripple & Noise which is under 3.3VDC at 2% max)

Environmental

- Operating Temperature: 0 to 70°C
- Derate linearly from 100% load at 50°C to 50% load at 70°C
- Storage Temperature: -40~85°C
- Operating Humidity : 0~95%
- Storage Humidity: 0~75%
- MTBF: 100,000 calculated hours



Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
▶SBU120-101	3~5VDC	22.0~20.0A	5%	100W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-102	5~6VDC	22.0~18.33A	5%	110W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-103	6~9VDC	19.16~12.77A	5%	115W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-104	9~11VDC	13.33~10.9A	4%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-105	11~13VDC	10.90~9.23A	3%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-106	13~16VDC	9.23~7.50A	3%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-107	16~21VDC	7.50~5.71A	3%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-108	21~27VDC	5.71~4.44A	2%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-109	27~33VDC	4.44~3.63A	2%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
▶SBU120-110	33~40VDC	3.63~3.00A	2%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-111	40~50VDC	3.00~2.40A	2%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-200	+3.3VDC +12.0VDC	15.0A 6.0A	5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-201	+5.0VDC +12.0VDC	15.0A 6.0A	5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-202	+5.0VDC +15.0VDC	15.0A 6.0A	5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-203	+5.0VDC +24.0VDC	15.0A 3.5A	5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-204	+3.3VDC +5.0VDC	15.0A 6.0A	5% 5%	79.5W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-215	+5.0VDC -24.0VDC	15.0A 2.0A	5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-219	+28.0VDC +5.0VDC	3.92A 2.0A	5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-219-1	+28.0VDC +5.0VDC	2.5A 3.5A	5% 5%	87.5W	None Safety Approvals
▶SBU120-222	+12.0VDC +24.0VDC	4.0A 3.0A	5% 5%	120W	None Safety Approvals
▶SBU120-235	+5.0VDC +48.0VDC	5.0A 1.5A	5% 5%	120W	None Safety Approvals
▶SBU120-238	+6.5VDC +12.0VDC	15.0A 1.0A	5% 5%	109.5W	None Safety Approvals
▶SBU120-239	+35.0VDC +12.0VDC	3.0A 1.0A	5% 5%	117W	None Safety Approvals
▶SBU120-240	+6.0VDC +12.0VDC	15.0A 2.5A	5% 5%	120W	None Safety Approvals
▶SBU120-241	+5.0VDC +8.0VDC	10.0A 4.0A	5% 5%	82W	None Safety Approvals
▶SBU120-246	+3.3VDC +20.0VDC	15.0A 3.0A	5% 5%	111W	None Safety Approvals
▶SBU120-249	+5.5VDC +12.0VDC	13.0A 5.0A	5% 5%	120W	None Safety Approvals
▶SBU120-250	+5.25VDC +12.0VDC	14.0A 4.0A	5% 5%	120W	None Safety Approvals
▶SBU120-300	+3.3VDC +12.0VDC -12.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-300-1	+3.3VDC +12.0VDC +12.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-301	+5.0VDC +12.0VDC -5.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-301-1	+5.0VDC +12.0VDC +5.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
▶SBU120-302	+5.0VDC +12.0VDC -12.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-302-1	+5.0VDC +12.0VDC +12.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-303-2	+5.0VDC +15.0VDC +15.0VDC	8.0A 2.5A 2.0A	5% 5% 5%	107.5W	None Safety Approvals
▶SBU120-303	+5.0VDC +15.0VDC -15.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-303-1	+5.0VDC +15.0VDC +15.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-304	+5.0VDC +24.0VDC -24.0VDC	15.0A 3.5A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-304-1	+5.0VDC +24.0VDC +24.0VDC	15.0A 3.5A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-305	+5.0VDC +24.0VDC -12.0VDC	15.0A 3.5A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-305-1	+5.0VDC +24.0VDC +12.0VDC	15.0A 3.5A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-305-2	+5.0VDC +24.0VDC +12.0VDC	3.0A 6.0A 0.5A	5% 5% 5%	120W	None Safety Approvals
▶SBU120-306	+3.3VDC +12.0VDC -5.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-306-1	+3.3VDC +12.0VDC +5.0VDC	15.0A 6.0A 0.8A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-307	+5.0VDC +10.0VDC -10.0VDC	15.0A 6.0A 1.0A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-307-1	+5.0VDC +10.0VDC +10.0VDC	15.0A 6.0A 1.0A	5% 5% 5%	120W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-308	+3.3VDC +5.0VDC -12.0VDC	15.0A 6.0A 1.0A	5% 5% 5%	91.5W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-308-1	+3.3VDC +5.0VDC +12.0VDC	15.0A 6.0A 1.0A	5% 5% 5%	91.5W	UL/CUL, T-mark, CE, CB, CCC, RoHS
▶SBU120-316	+3.3VDC +48.0VDC +5.0VDC	5.0A 1.5A 1.5A	5% 5% 5%	96W	None Safety Approvals

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
▶ SBU120-318	+5.75VDC +12.0VDC -12.0VDC	12.0A 2.0A 0.5A	5% 5% 5%	99W	None Safety Approvals
▶ SBU120-322	+8.0VDC +15.0VDC -15.0VDC	4.0A 2.5A 0.8A	5% 5% 5%	81.5W	None Safety Approvals
▶ SBU120-329	+7.0VDC +27.0VDC +12.0VDC	5.0A 3.5A 0.8A	5% 5% 5%	139.1W	None Safety Approvals