



APU45 series

50W Desktop type Extreme operating temperature power supplies

The APU45 series of AC/DC switching mode [power](#) supplies provide 50Watts of continuous output power, All supplies are UL 94V-1 min compliant, include IEC-320-C14 input for worldwide [applications](#).

PRELIMINARY

Features

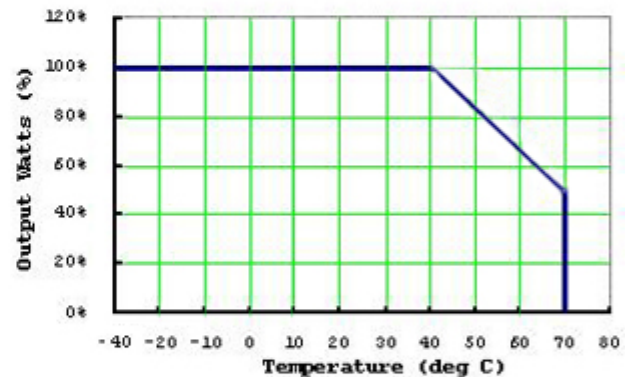
- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Optional Output Connector
- Single to Triple Output
- Class I
- Operating temperature -40~70°C
- 3 year warranty

Electrical characteristics

- Efficiency: 83% typ.
- Line Regulation: 1% max.
- Load Regulation: 15% max.
- Hold-up Time: 16mS min.
- Output ripple and noise: 0.5% (Typ.).
- (The Ripple & Noise which is under 3.3VDC at 2% max)

Environmental

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



Model No.	Adj. Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
> APU45-101	3 ~ 5 VDC	8.00A	5%	40W	RoHS
> APU45-102	5 ~ 6 VDC	8.00 ~ 6.66 A	5%	42W	RoHS
> APU45-103	6 ~ 8 VDC	7.00 ~ 5.25 A	5%	42W	RoHS
> APU45-104	8 ~ 11 VDC	5.63 ~ 4.00 A	4%	45W	RoHS
> APU45-105	11 ~ 13 VDC	4.00 ~ 3.46 A	3%	45W	RoHS
> APU45-106	13 ~ 16 VDC	3.46 ~ 2.81 A	3%	45W	RoHS
> APU45-107	16 ~ 21 VDC	3.12 ~ 2.38 A	3%	50W	RoHS
> APU45-108	21 ~ 27 VDC	2.30 ~ 1.85 A	2%	50W	RoHS
> APU45-109	27 ~ 33 VDC	1.85 ~ 1.51 A	2%	50W	RoHS
> APU45-110	33 ~ 40 VDC	1.51 ~ 1.25 A	2%	50W	RoHS

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
> APU45-111	40 ~ 50 VDC	1.25 ~ 1.00 A	2%	50W	RoHS
> APU45-200	+3VDC +12VDC	5.00A 2.00A	7% 5%	40W	RoHS
> APU45-201	+5VDC +12VDC	5.00A 2.00A	5% 5%	42W	RoHS
> APU45-202	+5VDC +15VDC	5.00A 1.50A	7% 5%	42W	RoHS
> APU45-203	+5.0VDC +24.0VDC	5.00A 1.00A	5% 5%	42W	RoHS
> APU45-204	+3.3VDC +5.0VDC	5.00A 2.00A	7% 5%	26.5W	RoHS
> APU45-209	+12.0VDC -12.0VDC	3.00A 1.00A	5% 5%	42W	RoHS
> APU45-210	+15.0VDC -15.0VDC	2.00A 1.00A	5% 5%	42W	RoHS
> APU45-212	+24.0VDC -24.0VDC	0.50A 0.50A	5% 5%	24W	RoHS
> APU45-215	+5.0VDC -24.0VDC	5.00A 1.00A	5% 5%	42W	RoHS
> APU45-216	+5.1VDC +7.2VDC	1.00A 2.60A	5% 5%	23.82W	RoHS
> APU45-217	+10.5VDC -10.5VDC	2.00A 2.00A	5% 5%	42W	RoHS
> APU45-218	+5.0VDC -5.0VDC	2.00A 2.00A	5% 5%	20W	RoHS
> APU45-232	+9.0VDC +24.0VDC	1.15A 1.35A	5% 5%	42.75W	RoHS
> APU45-300	+3.3VDC +12.0VDC -12.0VDC	5.00A 2.00A 0.80A	7% 5% 5%	42W	RoHS
> APU45-301	+5.0VDC +12.0VDC -5.0VDC	5.00A 2.00A 0.80A	5% 5% 5%	42W	RoHS
> APU45-302	+5.0VDC +12.0VDC -12.0VDC	5.00A 2.00A 0.80A	5% 5% 5%	42W	RoHS
> APU45-303	+5.0VDC +15.0VDC -15.0VDC	5.00A 2.00A 0.80A	5% 6% 5%	42W	RoHS
> APU45-303-1	+5.0VDC +15.0VDC -15.0VDC	3.00A 0.13A 0.067A	5% 6% 5%	20W	RoHS
> APU45-304	+5.0VDC +24.0VDC -24.0VDC	5.00A 1.00A 0.50A	5% 5% 5%	42W	RoHS
> APU45-305	+5.0VDC +24.0VDC -12.0VDC	5.00A 1.00A 0.80A	5% 5% 5%	42W	RoHS
> APU45-306	+3.3VDC +12.0VDC -5.0VDC	5.00A 2.00A 0.80A	7% 5% 5%	42W	RoHS

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
> APU45-314	+4.0VDC +12.0VDC +6.0VDC	4.00A 2.00A 1.00A	7% 5% 5%	42W	RoHS
> APU45-328	+5.5VDC +9.5VDC -5.5VDC	2.00A 3.00A 0.30A	5% 5% 5%	41.15W	RoHS
> APU45-334	+5.0VDC +9.0VDC -9.0VDC	5.00A 1.00A 1.00A	5% 5% 5%	42W	RoHS
> APU45-337	+5.85VDC +9.85VDC -5.85VDC	3.00A 2.50A 0.30A	5% 5% 5%	43.93W	RoHS