

SPECIFICATIONS FOR 3824	5V	12V
Available versions	x	x
Input voltage:	90 - 264VAC	90 - 264VAC
Line frequency:	47 - 63Hz	47 - 63Hz
Output voltage:	5V ± 5%	12V ± 5%
Max output power:	7.5W	7.5W
Min. output current:	0A	0A
Max. output current:	1.5 A	0.625A
Load regulation (0 - 100% load. Measured on pcb):	< 8%	< 8%
Mains regulation: (Mains variation: 90 - 264V, 100% load)	< 0,5%	< 0,5%
Ripple & Noise: (at 20MHz bandwidth)	< 200mV p-p	< 200mV p-p
Efficiency (at 100% load, 230V) approx.:	0.78	0.81
Standby power, 115V:	<0.075W	<0.075W
Standby power, 230V:	<0.075W	<0.075W
Average efficiency at 100%,75%, 50% and 25% load, 115V	>76.9%	>80.4%
Average efficiency at 100%,75%, 50% and 25% load, 230V	>76.9%	>80.4%
Efficiency level VI:	Yes	Yes
Switch frequency approx.:	45kHz	45kHz
Overshoot (90 - 10% load variation):	< 200mV	< 300mV
Undershoot (10 - 90% load variation):Measured on pcb	< 200mV	< 300mV
Hold up time:	>5ms	>5ms
Temperature range: operating:	-20 to +40oC	-20 to +40oC
Temperature range: with derating:	+60oC	+60oC
Temperature range: storeage	-25 to +85oC	-25 to +85oC
Derating:	0.2W/oC over 40oC	0.2W/oC over 40oC
Safety:	IEC 62368-1:2018	IEC 62368-1:2018
Insulation class :	Class II	Class II
Insulation voltage: Primary – secondary:	3000VAC / 4200VDC	3000VAC / 4200VDC
EMC standards:	Emission EN 61000-6-3 / Immunity EN 61000-6-1	Emission EN 61000-6-3 / Immunity EN 61000-6-1
IP-degree	IP4X	IP4X
Input terminal	Standard EU, UK or US	Standard EU, UK or US
Output terminals:	Cord with/without plug. Exchangeable plugs available.	Cord with/without plug. Exchangeable plugs available.
Dimensions:	UK:70 x 50 x 60mm US,EU:66 x 27 x 60mm	UK:70 x 50 x 60mm US,EU:66 x 27 x 60mm
Weight:	90g.	90g.