

SPECIFICATIONS FOR 3820	12V	24V	30V	36V	48V
Available versions	x				
Input voltage:	90 - 264VAC				
Line frequency:	47 - 63Hz				
Output voltage:	12V ± 2.5%	24V ± 2.5%	30V ± 2.5%	36V ± 2.5%	48V ± 2.5%
Max output power:	100W	120W			
Min. output current:	0A				
Max. output current:	8.33A	5A	4A	3.33A	2.5A
Load regulation (0 - 100% load. Measured on PSB):	< 1%				
Mains regulation: (Mains variation: 90 - 264V, 100% load)	< 0,5%				
Ripple & Noise: (at 20MHz bandwidth)	< 100mV p-p				< 200mV p-p
Efficiency (at 100% load, 230V) approx.:	0.9	0.91			
Standby power:	<0.15W				
Average efficiency at 100%,75%, 50% and 25% load	>89%				
Efficiency level VI:	Yes				
Switch frequency approx.:	45kHz				
Overshoot (90 - 10% load variation):	< 300mV	< 280mV			
Undershoot (10 - 90% load variation): Measured on pcb	< 300mV	< 250mV	< 400mV		< 350mV
Hold up time:	>15ms				
Temperature range, operating:	-20 to +40oC				
Temperature range, with derating:	+60oC				
Temperature range, storage:	-25 to +85oC				
Derating:	2.5W/oC over 40oC				
Safety:	IEC 60601-1 3.1rd				
Insulation class:	Class II or Class I				
Insulation voltage: Primary – secondary:	4000VAC / 5700VDC				
EMC standards:	EMC med. EN 60601-1-2 / Emission EN 61000-6-3 / Immunity EN 61000-6-1				
IP-degree	IP4X				
Input terminal	2-pins IEC320 C8 connector / 3-pins IEC320 C14 connector / 3-pins fixed wire				
Output terminals:	Cord with/without plug. Exchangeable plugs available.				
Dimensions:	172.5 x 73 x 42mm				
Weight:	530g.				