

SPECIFICATIONS FOR 3220	5V	9V	13.2V	16V
Available versions			x	
Input voltage:	110 - 230 VAC			
Line frequency:	47 - 63Hz			
Output voltage:	4 – 6V	6.01 – 9V	9.01 - 13.2V	13.31 – 16.8V
Max output power:	51W	77W	103W	102W
Min. output current:	0A			
Max. output current:	8.5A		8.5A - 7.8A	7.7A - 6.1A
Load regulation (0 - 100% load. Measured on PSB):	<1%			< 1%
Mains regulation: (Mains variation: 198 - 264V, 100% load)	< 0.5%			
Ripple:	< 50mV p-p			
Efficiency (at 100% load, 230V) approx.:	> 85%	> 87%	> 89%	
Switch frequency approx.:	65kHz			
Overshoot (90 - 10% load variation):	< 150mV		< 400mV	< 150mV
Undershoot (10 - 90% load variation):Measured on pcb	< 400mV			
Hold up time:	> 20ms			
Temperature - Operating:	-20 to +40oC			
Temperature - with derating:	+60oC			
Temperature - Storage:	-25 to +85oC			
Derating:	2.5W/oC above 40oC			
Safety:	EN 60950 EN 60601-1			
Insulation class:	Class II			
Insulation voltage: Primary – secondary:	4000VAC / 5640VDC			
EMC standards:	EMC med. EN 60601-1-2 Emission EN 61000-6-3 Immunity EN 61000-6-1			
CEC-compliant (efficiency) level:	V			
Input terminal	2-pins IEC 60320 connector.(Non-detachable mains cord on request)			
Output terminals:	Cable with / without plug			
IP-Grade	IP41 (IP67 on request).			
Dimensions:	160 × 81 × 44.3mm			
Weight:	590g (1090g IP67 version)			

SPECIFICATIONS FOR 3220	24V	28V	36V	48V
Available versions	x			
Input voltage:	110 - 230 VAC			
Line frequency:	47 - 63Hz			
Output voltage:	16.81 - 24V	24.01 - 28V	28.01 – 38V	38.01 - 48V
Max output power:	101W	106W	103W	
Min. output current:	0A			
Max. output current:	6.0A - 4.2A	4.4A - 3.8A	3.6A - 2.7A	2.7A - 2.1A
Load regulation (0 - 100% load. Measured on PSB):	< 1%			
Mains regulation: (Mains variation: 198 - 264V, 100% load)	< 0.5%			
Ripple:	< 50mV p-p			
Efficiency (at 100% load, 230V) approx.:	> 90%			
Switch frequency approx.:	65kHz			
Overshoot (90 - 10% load variation):	< 150mV			< 100mV
Undershoot (10 - 90% load variation):Measured on pcb	< 400mV			< 100mV
Hold up time:	> 20ms			
Temperature - Operating:	-20 to +40oC			
Temperature - with derating:	+60oC			
Temperature - Storage:	-25 to +85oC			
Derating:	2.5W/oC above 40oC			
Safety:	EN 60950 EN 60601-1			
Insulation class:	Class II			
Insulation voltage: Primary – secondary:	4000VAC / 5640VDC			
EMC standards:	EMC med. EN 60601-1-2 Emission EN 61000-6-3 Immunity EN 61000-6-1			
CEC-compliant (efficiency) level:	V			
Input terminal	2-pins IEC 60320 connector.(Non-detachable mains cord on request)			
Output terminals:	Cable with / without plug			
IP-Grade	IP41 (IP67 on request).			
Dimensions:	160 × 81 × 44.3mm			
Weight:	590g (1090g IP67 version)			