

	5V	12V	16V	24V
Available versions		x	x	x
Input voltage	90 - 264VAC			
Line frequency	47 - 63Hz			
Output voltage, nominal	5V	12V	16V	24V
Output voltage, adjustable	4 - 6V	11 - 14.5V	14.5 - 18V	22 - 26V
Max output power	45W	80W	80W	80W
Min. output current	0A			
Max. output current	8.0A	6.7A	5.0A	3.3A
Current limitation at approx.	8.5A	7.0A	5.8A	3.8A
Load regulation (0 - 100% load. Measured on PSB)	< 1.5%	< 0.5%	< 0.5%	< 0.5%
Mains regulation: (Mains variation: 90 - 264V, 100% load)	< 0.1%			
Ripple & Noise: (at 20MHz bandwidth)	< 150mV p-p			
Load regulation (0 - 100% load. 230V): (Measured on PCB)	>88%	>91%	>92%	>91%
Efficiency level V	Yes			
Switch frequency approx.	65kHz			
Overshoot (90 - 10% load variation)	< 300mV	< 300mV	< 250mV	< 200mV
Undershoot (10 - 90% load variation):- Measured on pcb	< 300mV	< 300mV	< 250mV	< 200mV
Hold up time	>20ms			
Protection	Short circuit proof. Thermal protection			
Temperature range, operating	-20 to +40oC	-20 to +40oC	-20 to +40°C	-20 to +40°C
Temperature range, with derating	+60oC	+60oC	+60°C	+60°C
Temperature range, storeage	-25 to +85oC	-25 to +85oC	-25 to +85°C	-25 to +85°C
Derating	2.0W/oC over 40oC	2.0W/oC over 40oC	2.0W/°C over 40°C	2.0W/°C over 40°C
Safety	IEC 60601-1 ed. 3.2/ Home Health care IEC 60601-1-11/ Household IEC 60335-1, A/V and Comm. tech: IEC 62368-1			
Insulation class	Class II or Class I on request			
Insulation voltage: Primary – secondary	4000VAC / 5700VDC			
EMC Standards	Emission IEC 61000-6-3, Immunity IEC 61000-6-1, IEC 60601-1-2: 2014 + A1: 2020 ed. 4.1			
IP-degree	IP4X. (With mains cable: IP44)			
Input terminal	2-pins IEC 320 connector, C8. (3pins IEC 320 connector, C6 on request) or mains cable			
Output terminals	Cord with/without plug. Exchangeable plugs available.			
Dimensions	172.5 x 73 x 42mm			
Weight	400g.			

	48V	64V
Available versions	x	
Input voltage	90 - 264VAC	
Line frequency	47 - 63Hz	
Output voltage, nominal	48V	64V
Output voltage, adjustable	46 - 50V	62 - 67V
Max output power	80W	
Min. output current	0A	
Max. output current	1.66A	1.25A
Current limitation at approx.	2.0A	1.30A
Load regulation (0 - 100% load. Measured on PSB)	< 0.5%	
Mains regulation: (Mains variation: 90 - 264V, 100% load)	< 0.1%	
Ripple & Noise: (at 20MHz bandwidth)	< 150mV p-p	
Load regulation (0 - 100% load. 230V): (Measured on PCB)	>91%	>92%
Efficiency level V	Yes	
Switch frequency approx.	65kHz	
Overshoot (90 - 10% load variation)	< 200mV	
Undershoot (10 - 90% load variation):- Measured on pcb	< 200mV	
Hold up time	>20ms	
Protection	Short circuit proof. Thermal protection	
Temperature range, operating	-20 to +40°C	
Temperature range, with derating	+60°C	
Temperature range, storeage	-25 to +85°C	
Derating	2.0W/°C over 40°C	
Safety	IEC 60601-1 ed. 3.2/ Home Health care IEC 60601-1-11/ Household IEC 60335-1, A/V and Comm. tech: IEC 62368-1	
Insulation class	Class II or Class I on request	
Insulation voltage: Primary – secondary	4000VAC / 5700VDC	
EMC Standards	Emission IEC 61000-6-3, Immunity IEC 61000-6-1, IEC 60601-1-2: 2014 + A1: 2020 ed. 4.1	
IP-degree	IP4X. (With mains cable: IP44)	
Input terminal	2-pins IEC 320 connector, C8. (3pins IEC 320 connector, C6 on request) or mains cable	
Output terminals	Cord with/without plug. Exchangeable plugs available.	
Dimensions	172.5 x 73 x 42mm	
Weight	400g.	