

UNOTEC

2405N | 2410N | 2420N



**J. Schneider
Elektrotechnik**



The new generation of switch mode power supplies

At a glance

- Efficiency up to 95%
- 150% Power Boost for at least 4 seconds
- Metal housing with optimal EMC features
- Very small footprint
- Extended back-up time in case of power outage
- Integrated device protection and alarm contact
- Long life expectancy due to low heat losses
- Spring-loaded terminals

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Find further product information under:
[www.j-schneider.de/en/ups/
switch-mode-power-supply/](http://www.j-schneider.de/en/ups/switch-mode-power-supply/)





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Product overview

Primary switched power supplies

Single-phase,
primary switched

UNOTEC
2405N



UNOTEC
2410N

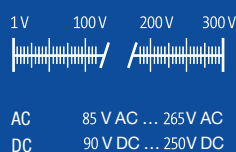


UNOTEC
2420N



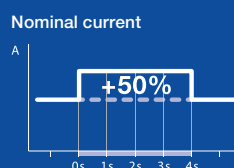
Features	Current	Art.-No.	Current	Art.-No.	Current	Art.-No.
24 V DC	5 A	NFPG 1311G01001	10 A	NFPG 1311G02001	20 A	NFPG 1311G03001
Input						
Input voltage range	85...265 V AC / 90...250 V DC					
Input current	0,55 A bei 240 V AC		1,1 A bei 240 V AC		2,2 A bei 240 V AC	
Inrush current after 1 ms	< 13 A		< 13 A		< 13 A	
Output						
Output voltage	adjustable...24...28 V DC					
Power Boost	150 % for 4 seconds					
Efficiency	up to 95 %					
Protective system	short-circuit and overload protection (output), Power Limiter					
General Data						
MTBF	> 500.000 h					
Back-up mains failure	> 20 ms at 230 V AC					
Status display	LED green/red					
Norms	EN 60950-1, EN 61204-3, EN 55011 B, EN 61000-3-2					
Temperature range	-13 ... +140 °F without derating (storage temperature -40 ... +185 °F)					
Fastening	DIN-rail mountable TH35 (EN60715)					
Dimensions (h x w x d)	125x50x137 mm		125x65x137 mm		125x85x137 mm	
Miscellaneous	relay alarm contact for short-circuit, overload and overtemperature					
Approvals	UL and GL pending					

UNOTEC Product advantages



Wide input voltage range

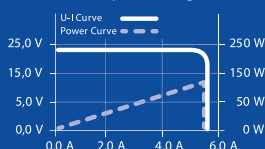
Because of its wide input voltage range of 85 to 265 V AC (or 95 to 250 V DC) the UNOTEC is perfectly suited for global use.



Current limitation

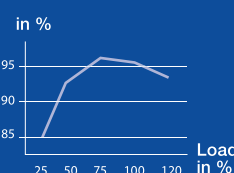
In case of overload, the output voltage is regulated with a constant current. To safely protect the power supply against damage due to overload conditions, the current is limited to 100% of the nominal current and in power boost mode to 150%.

Nominal Output Voltage, Recovery



Current-Turbo

Because the UNOTEC is able to supply up to 150% of its rating for 4 seconds, major loads and capacities can be started – without a second device.



Maximum efficiency

Extremely low load losses result in reduced operation costs. Due to low heat losses the lifespan of the device will be prolonged as well as of the adjacent components. Smaller and more compact cabinets can be designed.