



- ◀ Rated power up to 15 kW
- ◀ Input voltage: ~380 VAC (3p+n)
- ◀ Output voltage up to 300 VDC
- ◀ Wide voltage adg. range (-50...+10%)
- ◀ Output current up to 625 A
- ◀ Digital interface
- ◀ Efficiency up to 94%
- ◀ High reliability
- ◀ 19", 3U rack power unit

ORDERING INFORMATION

KAP 15 I 250
① ② ③ ④

- ① - KAP series
- ② - Rated power, kW
- ③ - Nominal input voltage index
T — ~380 VDC, threephase
- ④ - Nominal output voltage

MODEL SELECTOR

MODULE	OUTPUT VOLTAGE	RATED CURRENT	INPUT VOLTAGE	EFFICIENCY
KAP 15 T 24	12-26.4 VDC	625 A	~ 323-418 VAC (3P+N)	93%
KAP 15 T 28	14-31 VDC	536 A	~ 323-418 VAC (3P+N)	93%
KAP 15 T 48	24-53 VDC	312 A	~ 323-418 VAC (3P+N)	94%
KAP 15 T 250	125-250 VDC	60 A	~ 323-418 VAC (3P+N)	93%
KAP 15 T 300	150-300 VDC	50 A	~ 323-418 VAC (3P+N)	93%

GENERAL SPECIFICATIONS*

Input specifications

Input voltage range KAP 15 T XXX	~323-418 VAC (3p+n)
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Output specifications

Setup, rise time	max 5 s
Ripple and noise (peak-to-peak)	<1% Uout. nom.
Voltage regulation: if the input voltage changes to ~323-418 B if the output current changes 0-100%	max 1 % max 1 %
Transient output voltage deviation overload on 10-100-10% Inom	max 5% Uout. nom.
Transient time	20 ms
Overload protection	> 120% Inom.
Output current adjustment range**	0 ...100%

General specification

Ambient temperature range	- operating - storage	-20...+50 °C -25...+70 °C
Isolation strength	in./case in./out. out./case	~3000 VDC ~3000 VDC ~1500 VDC
Isolation resistance @ 500 VDC		Min. 20 MΩhm (normal climatic conditions)
Cooling		forced air adaptive cooling
Case material		metal
Dimensions, mm		550x482.6x132.5
Weight		max 33 kg

Specifications of digital interface (option)

Digital interface	RS-485
Quantity of networkable modules	up to 10, differential control of each module
Control device	workstation with installed operating system Win x-, 7, 8
Control and monitoring functions	- adjusting of output voltage, - adjusting of output current, - monitoring of output voltage, - monitoring of output current, - start/stop, - operation mode of flags monitoring.
Operation mode flags	-ready (power applied - ready for connection) -on/off output -failure -emergency switching -voltage/current stabilization

* All specifications are valid for normal climatic conditions, Uin.nom., Iout.nom., unless otherwise stated.

** If there is option of input current stabilization

STANDARD OPTIONS

Constraint of in-rush current threshold

Overcurrent protection

Overvoltage protection

Remote on/off

Mounting flanges

OPTIONS

Customer design output voltages

Different algorithms of thermal protection

Indication of operation mode

Indication of output parameters

Output current stabilization mode

Battery charger

Control and monitoring digital interface

Parallel mode
