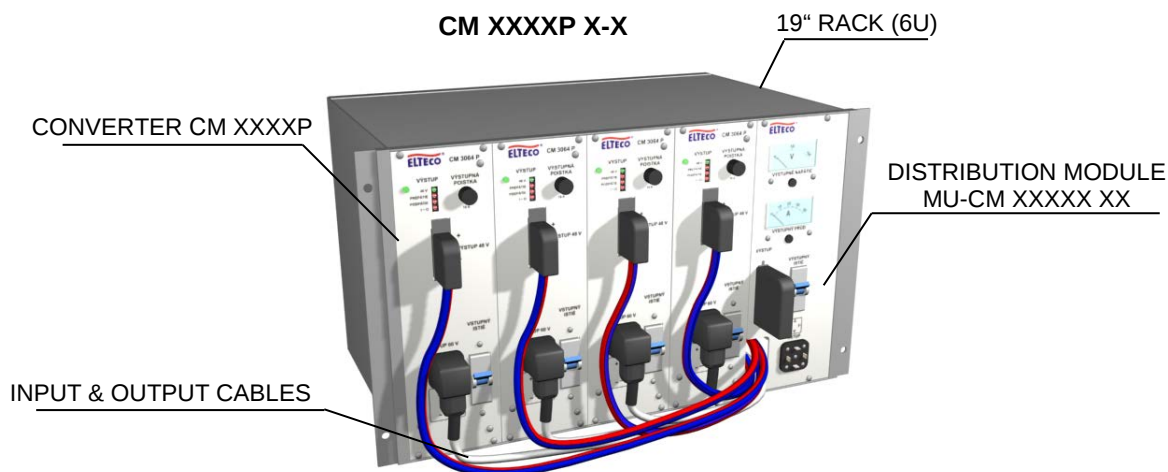


DC-DC CONVERTERS

DC-DC converters are designed for the conversion of DC voltage of one level to DC voltage of other level with the defined parameters. Converters have a wide application for the powering of the telecommunication, regulation and other electrotechnical apparatuses and devices.



DC / DC CONVERTORS OF NEW GENERATION

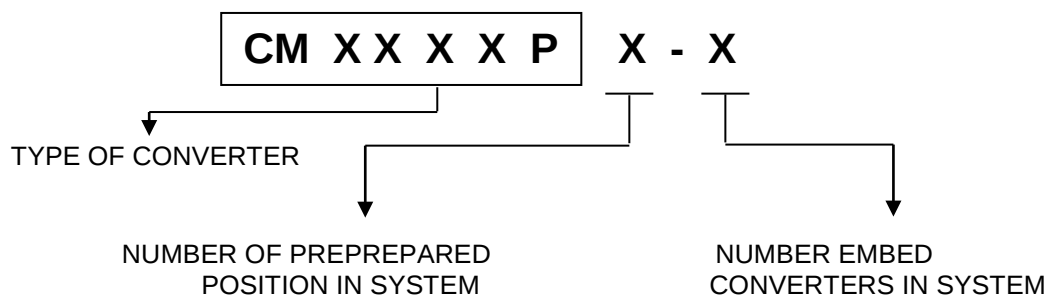
- modern constructional execution
- built into 19" rack (height 6 U)
- possibility of the parallel connection for the increase of power and because of redundancy reason
- large range of the input voltage
- protection against the deep discharge of the input battery
- high stability of the output voltage
- electronic limitation of the output current
- resistance against the short circuit
- double overvoltage protection of the output
- optical signalization of the state of the output voltage
- cooling by the natural circulation of air
- possibility of the remote signalization of failure.

DC / DC converters of the new generation is possible to connect in parallel to systems in 19" mechanics with height 6 U. Mutual connection of converters, as well as the input-output connectors are solved by the distribution module, which allows also measurement of the output voltage and current. Maximum number of the parallel converters is 4.

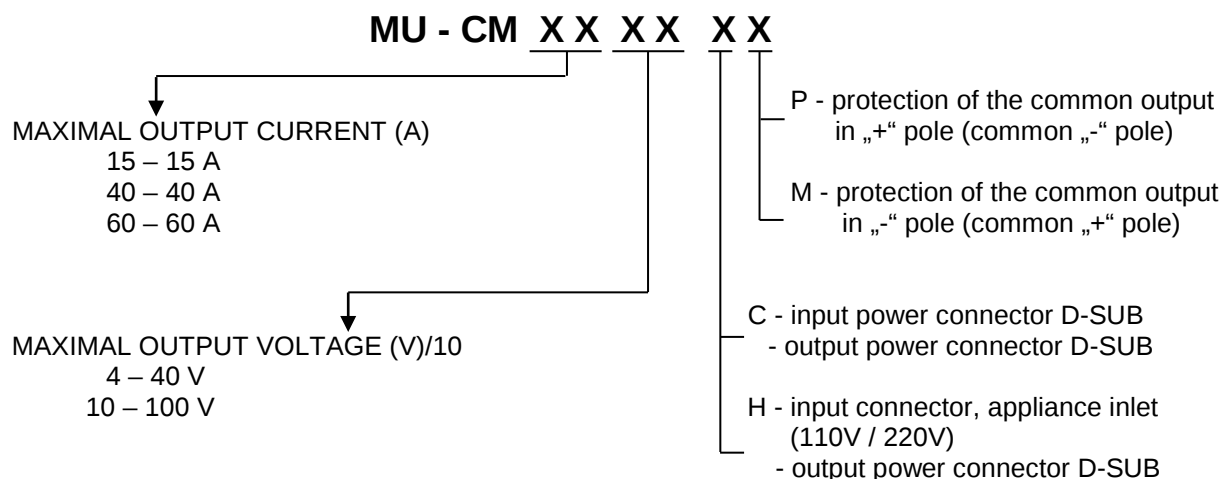
System of the parallel connected converters **CM XXXXP X-X** consist:

- 19" cassette 6U + prepared cabling for 2 / 4 position
- 1 ÷ 4 pcs. converters CM XXXXP
- distribution module MU-CM XXXXX XX.

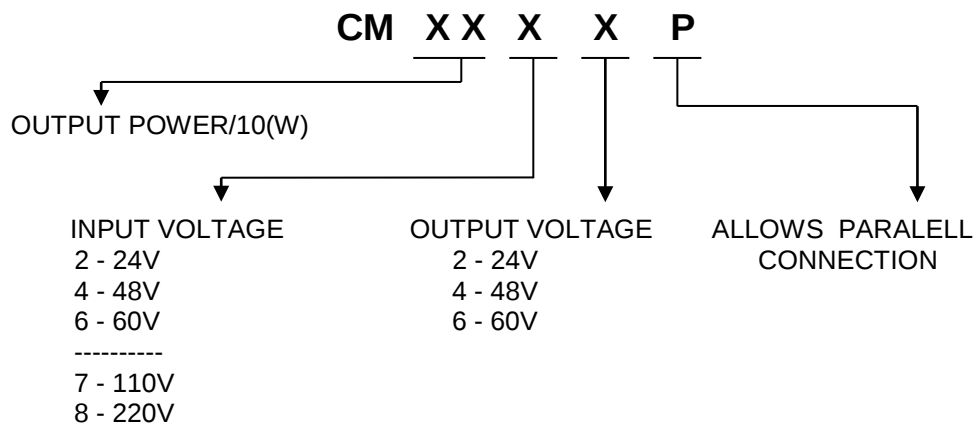
TYPE OF MARKING OF SYSTEMS



TYPE OF MARKING OF THE DISTRIBUTION MODULE



TYPE OF MARKING OF SINGLE CONVERTOR



GENERAL CHARACTERISTICS OF CONVERTERS

Converters (150 – 600W)

Type	Input voltage (V)	Output voltage (V)	Output current (A)	Output power (W)	Galvanic isolation (V)	Dimensions w x h x d (mm)	Distribution module for 4 positions
CM 2024 P	24	48	4	200	500	80 x 262 x 152	MU-CM 4010CP
CM 1541 P	48	12	12	150	500		MU-CM 6004CP
CM 3042 P		24	12	300	500		MU-CM 6004 CP
CM 3046 P		60	5	300	500		MU-CM 4010 CP
CM 6046 PN		60	10	600	No, common is positive pole		MU-CM 6010CM
CM 3062 P	60	24	12	300	500		MU-CM 6004CP
CM 3064 P		48	6	300	500		MU-CM 4010CP
CM 3066 P		60	5	300	500		MU-CM 4010CP
CM 3072 P	110	24	12	300	4 kV		MU-CM 6004HP
CM 3074 P		48	6	300	4 kV		MU-CM 4010HP
CM 3076 P		60	5	300	4 kV		MU-CM 4010HP
CM 3082 P	220	24	12	300	4 kV		MU-CM 6004HP
CM 3084 P		48	6	300	4 kV		MU-CM 4010HP
CM 3086 P		60	5	300	4 kV		MU-CM 4010HP

Note: According to requirement of the customer and consultation is possible to make also other types of converters with the output voltage up to 60 V.



Converters (50 – 600W)

Type	Input voltage (V)	Output voltage (V)	Output current (A)	Output power (W)	Galvanic isolation (V)	Dimensions w x h x d (mm)
CM 1212	12	24	5	120	No, common is negative pole	120x65x190
CM 0521	24	12	4	50	No, common is negative pole	55x40x103
CM 1221		12	8	100	100	120x65x135
CM 2442	48	24	10	240	100	65x240x120
CM 6046		60	10	600	No, common is positive pole	120x65x190
CM 2064 X	60	48	4	200	100	65x220x120
CM 3064 X		48	6	300	100	65x220x120
CM 2064 ZS		48	4	200	100	136x129x220
CM 3064 ZS		48	6	300	100	136x129x220
CM 2064 Z		48	4	200	100	102x129x220
CM 3064 Z		24	6	300	100	102x129x220
CM 1271	110	12	6	70	4 kV	65x192x120