PLUTON TURN ON THE FUTURE



RECTIFIER
V-TPED-2.0k-600-12P-V

TECHNICAL SPECIFICATION

RECTIFIER V-TPED-2,0K-600-12P-V.
MAIN PARAMETERS

Name of parameter	Unit	Value
Type of rectifier	-	Diode (diode-fuse)
Rated output power	kW	1320
Rated no-load voltage	V	660
Nominal output voltage	V	600
Rated current	A	2000
Rated input frequency	Hz	50
Number of input voltage phases	-	6
Connection, according to IEC 60146-1-1, EN 50328	-	No. 9 (12-pulse, 2 bridges in parallel without interbridge reactor)
Duty class, according to IEC 60146-1-1, EN 50328	-	Class VI
Current capabilities for rectifier	-	a) 1,0 – continuously; b) 1,5 – two hours after a); c) 3,0 – one minute after a)
Rectifier immunity level according to (EN 50328, Clause 1.5.32, Clause 3.7.4)	-	T (in case of 1 diode per arm is damaged rectifier shall be out of operation)
Cooling method according to IEC 60146-1-1	-	AN (air, natural)
Number of power diodes	-	12
Number of power high-speed fuses	-	12
Class and type of power diodes	-	Class 22 (2200 V), tablets
Rated insulation voltage	V	1800
Withstand the effective test voltage main circuit (50 Hz, 1 min)	kV	4,6
2-step (alarm and trip) temperature monitoring circuit	-	Yes
Internal lighting	-	Yes
Control and monitoring system	-	Microprocessor, local and remote mode
HMI control device (touch panel)	-	Yes
Communication protocol	-	MODBUS TCP/IP, IEC 61850
Protection from power and commutation surge from transformer side	-	Yes
Auxiliary supply	-	230 V AC or 220 V DC
Protection degree	-	IP20
Performance of rectifier for resistance, under operating conditions, to the influence of climatic factors according to IEC 60721-3-3	-	3K22 (from plus 1 ˚C to plus 40 ˚C)
Attitude	m	up to 1000
Input AC terminals	-	bottom by cables or busbars
Output DC terminals (+/-)	-	bottom by cables or busbars
Efficiency coefficient (design), no less.	%	99,2
Service	-	from the front (one-side)
Installation and positioning of the power unit	-	withdrawable
Preliminary dimensions (width x length x height),	mm	800 x 1535 x 2200
Compliance with standards	-	IEC 60146-1-1, EN50328

OVERALL DIMENSIONS

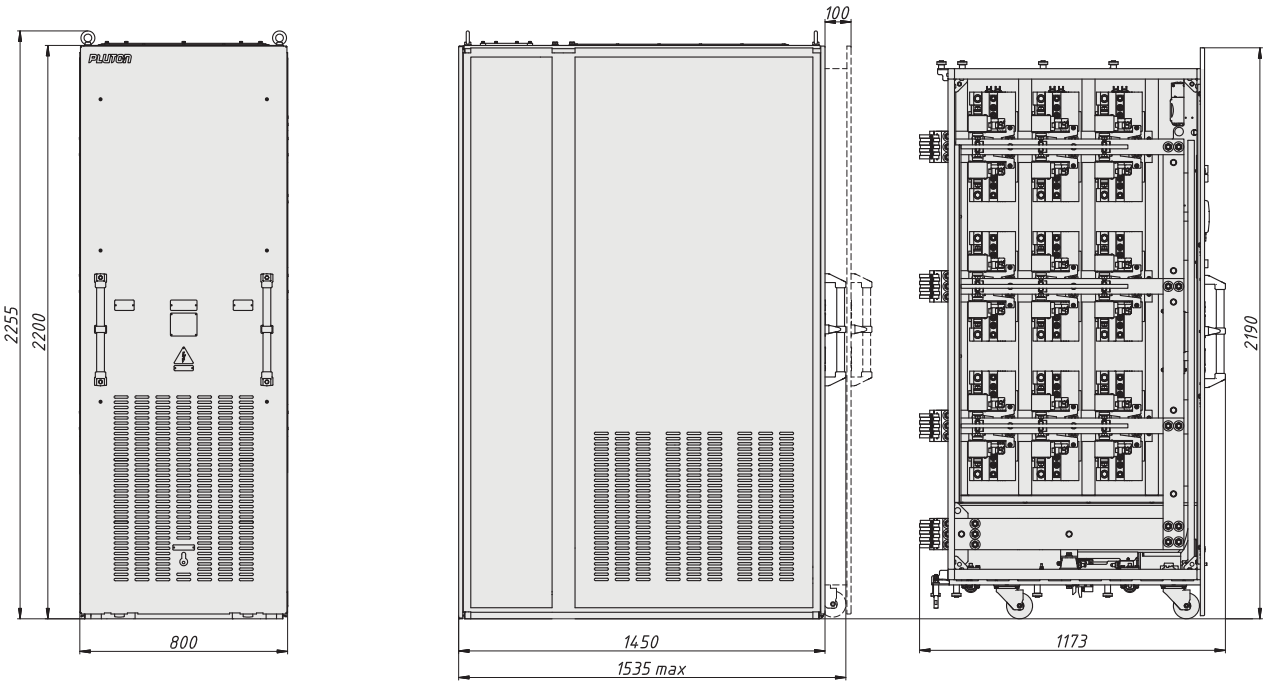


Image is for illustrative purposes only. Actual product appearance, color, and design elements may differ.





DIAGRAMS OF POWER PART

