

50V Bipolar Pulse With Off Time for aluminium anodizing, hard anodizing and coloring



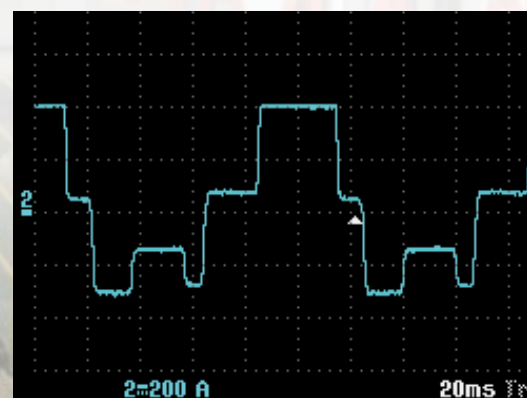
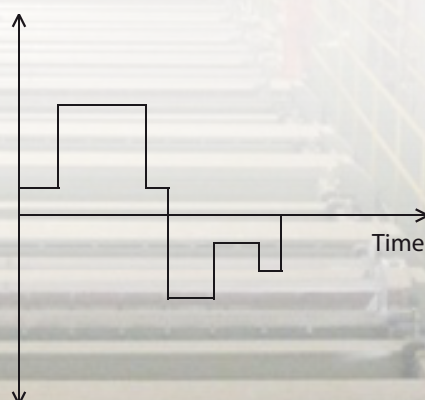
Water Cooled 2x12-2F1RiR1F3
50V / 4000A

- Switching type rectifier
- Voltage and Current Control
- Up to 50% energy saving
30% less anodizing time for same thickness of oxidation film
- Increase temperature of anodizing solution due to the reduction of oxidation voltage
- Reduced barrier-layer
- Pulses help avoid burned parts at high current density
- Same rectifier can be used for anodizing and coloring
- Due to reverse polarity, anodizing for special aluminium alloys (copper, silica, etc.) is easier
- Multitower expansion for higher current requirement
- Different programmable waveform for different process application. Manual or PC/PLC control

SLOW PULSE WAVEFORM SPECIFICATIONS

Slope (min)	0.8 ms
Pulse duration	3 ms - 200 ms
Off time (min)	1 ms

Bipolar pulse with off time

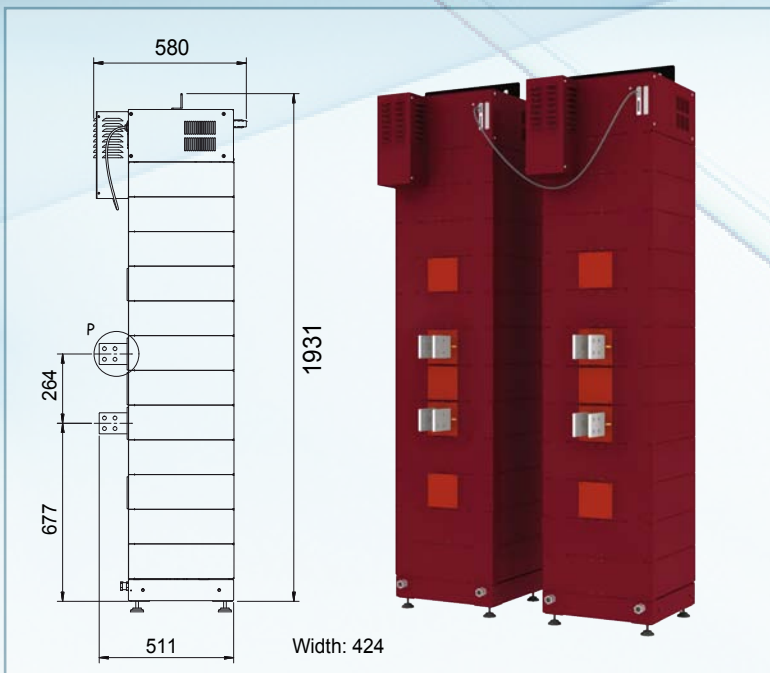




GENERAL SPECIFICATION OF WATER COOLED PPR SLOW 50V / 2000A

Application	Aluminium anodizing, hard anodizing and coloring
Main voltage	400 VAC - 50/60 Hz
Max output voltage	± 50 VDC
Max output current	± 2000 A
Efficiency	typ. 90%
Power factor	0.95
Max ambient temperature	40°C
Water flow required	1380 L/h
Input water temperature	19 - 28°C

* See Quasar PP & PPR Rectifier
Technical Specifications section
for more details.



New 230A Header

