



Power Supplies - AC+DC 4 Quadrant Amplifiers

Our "PA" amplifiers are real AC+DC 4 quadrants amplifiers created to satisfy all non-linear load conditions requiring a low harmonic distortion output. There are many applications areas:

- Grid and smart grid simulation.
- PV simulation.
- Current simulation.
- Voltage simulation.
- Electric engine simulation.
- EMC test.
- Battery test.
- Immunity test.
- Test instrument calibration.
- Electric components test.

The Puissance Plus 4Q amplifiers are also able to test and simulate all the areas that are being researched, developed and improved to reduce carbon emissions in the automotive sector:

- STOP/START alternators.
- DC motors.
- AC/DC reversible converter for energy recovery.
- Li-ion batteries.
- Ultracaps and Supercaps.

Attributes:

- Constant current or constant voltage.
- 600VA / 1000VA / 2000VA / 3000VA / 4000VA / 6000VA.
- 10kVA / 15kVA / 20kVA / 25kVA / 30kVA 180kVA.
- Double range: 225/450V on demand.
- Up to 5000A.
- Rise and fall time up to 5µs.
- DC... 100kHz.
- Lpeak = 8 Inom.
- HF option 300kHz.

Model Series	Max Power	Voltage Range	Current Range
PA-600-AB/xx-yy	600W	36-600V	1-16A
PA-1000-AB/xx-yy	1000W	36-600V	1.6-27A
PA-2000-AB/xx-yy	2000W	36-600V	3-55A
PA-4000-AB/xx-yy	4000W	36-600V	6.5-111A
PA-6000-AB/xx-yy	6000W	36-600V	10-166A
PA-8000-AB/xx-yy	8000W	36-600V	13-222A
PA-10,000-AB/xx-yy	10,000W	36-600V	16-277A
PA-16,000-AB/xx-yy	16,000W	36-600V	26-444A
PA-32,000-AB/xx-yy	32,000W	36-600V	53-888A

