

HERO® POWER
Precision Power Amplifier
Type: PA3120A/ SN1008017
 U_{Out} / I_{Out} - Regulation

Output Ratings	
U_{Out} - operation	270Vrms / 56Arms (112Arms) 15kVA cont. / 30kVA max.; DC...15kHz-3db
I_{Out} - operation	56Arms (112Ar,s) / 270Vrms 15kVA cont. / 30kVA max.; DC...5kHz-3db
Scaling	Drive
U_{Out} - operation	1 V U_{IN} = 50 V U_{Out}
I_{Out} - operation	1 V U_{IN} = 20 A I_{Out}
	Monitors
U_{OUT} - Monitor	1 V U_{Mon} = 50 V U_{Out}
I_{OUT} - Monitor	1 V I_{Mon} = 20 A I_O

- Potential relations: floating inputs and monitors
- adding BNC-Inputs; one for AC+DC and another for AC;
- Limiteradjustment for U_{Out} and I_{Out}
- Switchable operation Local/ Remote
Remote controlling switchable from RS485 to USB or RS232

Attention! Amplifier <STOP>
 at U_{Out} - regulation: $U_{Out} = 0$ Volt! Short circuit!
 at I_{Out} - regulation: $I_{Out} = 0$ A !
 If unloaded up to about $\pm 400V$!

Specific:

- Compensation: selectable frequency behavior
1 = 15kHz-3db; 2 = 10kHz-3db; 3 = 5kHz-3db
- Smooth starting (ON)- and stopping (OFF) about 2 sec.
Details see chapter <Basic Information>

Pay attention to

- Potential Relations
- Supplements

