

**POWER**  
600W to 24kW

**CURRENT**  
0-1A to 0-184A

**VOLTAGE**  
130V/260V/400V

AC and AC+DC programmable power source is designed to generate a high quality power signal with high bandwidth for example: troubleshooting, inrush current, ripple or short interruptions.

Our high performance and versatility allow testing complex dynamic loads.



**REGULATION**  
Line: 0,01%  
load: 0,02%

**BANDWIDTH**  
Fund. : 5 kHz  
Small signal: 150 kHz

**INRUSH CURRENT**  
I peak = 4 x I nom

**RISE & FALL TIME**  
< 20 μs

**FREQUENCY**  
DC...3500Hz : AB  
40...80Hz : B1  
300...1000Hz: B2

**RIPPLE&NOISE**  
Rms: 0.01%  
Peak: 0.1%

## APPLICATIONS

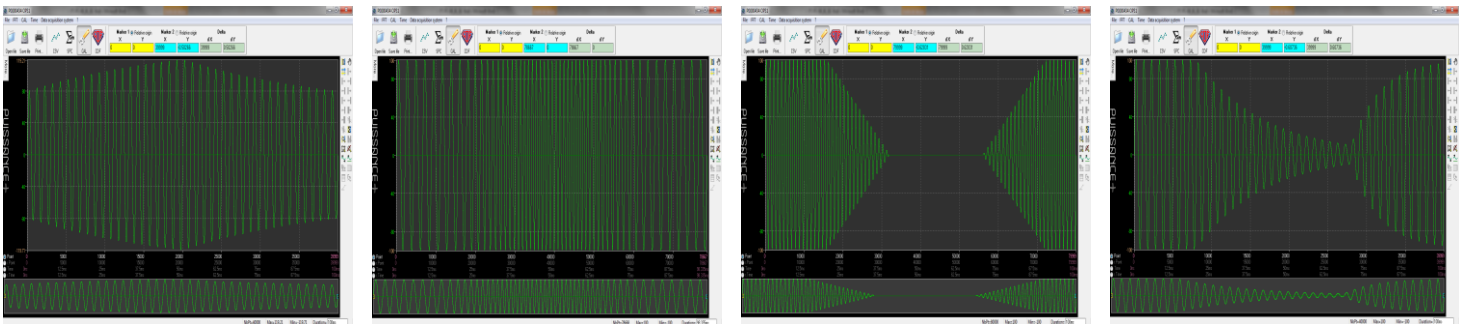
- 1 phase or 3 phases
- AC, AC+DC<sub>offset</sub>, DC
- 400/800/1200Hz avionic grid
- 50/60Hz grid
- ABD 100.1.8.1
- MIL-STD-704
- Power line disturbance
- Circuit breaker test
- IEC compliance test
- Ageing and burn-in test
- AC Motor start up current
- Harmonic distortion
- Lighting ballast test
- Flicker
- Dips, short interruptions
- Slow and fast variation
- Drop out, transient spike
- Inrush current
- Unbalanced grid
- For all none linear loads

## HIGH PERFORMANCE

- Regulation
- Accuracy
- High-speed programing
- Fast transient response time
- Fast rise & fall time
- High Inrush current
- High Bandwidth
- Advanced HMI
- Linear ramp programing
- Low impedance output
- Phase angle programing
- Low harmonic distortion

## OPTIONS

- Power Analyzer
- Specific Range
- Wide Bandwidth
- None-volatile Memory
- Specific software
- Data acquisition
- CC mode
- High frequency 40Hz...5000Hz



## GENERAL SPECIFICATIONS:

### INPUT RATING:

Voltage range:	230V+6%/-10% 380V +6%/-10%
Frequency range:	47-65Hz

### PROGRAMMATION VALUE

Voltage Range:	110%Vnom
Voltage accuracy:	0.05%FS+0.05%V
Voltage resolution:	12 bits
Frequency Range:	AB: DC...3500Hz B1: 40...80Hz B2: 300...1000Hz
Frequency accuracy:	0.01%FS+0.01%V
Frequency resolution:	12 bits
Phase angle range	360°
Phase angle accuracy	0.1°
Phase angle resolution	12 bits
Harmonic range	2 to 150 orders@50Hz

### REGULATION

Voltage line regulation:	0.01%
Voltage load regulation:	0.02%
Sense:	2V

### DYNAMIC MODE

Bandwidth:	Fundamental 5 kHz, small signal 150kHz
Rise & fall time:	<20µs
Overshoot:	<5%
Recovery time:	<20 µs

### SIGNAL QUALITY

Voltage ripple & noise rms	≤ 10-4 Vs nom
Voltage ripple & noise pk to pk	≤ 10-3 Vs nom
THD	0,2% @50/60Hz , 0,7%

### MEASUREMENT

Voltage accuracy:	0.1%FS
Current accuracy:	0.2%FS

### PROTECTION

Over voltage/Over current/Over temperature/Reverse current

### ISOLATION

Line/output:	100 MΩ @ 500Vdc
Output to case:	10 MΩ @ 500Vdc

### DIELECTRIC

Line to output:	2500Veff-50Hz
Line to case:	1500Veff

### ENVIRONMENT

Operating temperature:	-10°C/40°C
Storage temperature:	-25°C/80°C
Humidity:	10-90%
Protection:	IP30

### CONFORMITY

CE

### STANDARD REMOTE CONTROL

HMI:	touchscreen display Waveform storage
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ANALOG  
ETHERNET  
RS232

### OPTION

Power analyzer	POW-ANA-PSB-3
Specific range	SR-PSB
High frequency 40...5kHz	DR-PSB
50kHz bandwidth	HF-PSB
CC mode	CC-PSB
Q4 load capability	Q4-PSB
IEEE remote control	IEEE
USB storage	USB
10V analog BNC input	BNC
Last configuration data save	MEM
MASTER configuration	PSBM
SLAVE configuration	PSBS

### SOFTWARE option

Arbitrary function generator	OPS1
Advanced Sequence	OPS5
ABD100 sequence	ABD100soft

		PS-3x600	PS-3x1000	PS-3x2000	PS-3x3000	PS-3x5000	PS-3x8000
<b>OUTPUT</b>							
AC POWER RANGE	W	600	1000	2000	3000	5000	8000
AC PEAK POWER RANGE	VA	2400	4000	8000	12000	20000	24000
AC VOLTAGE RANGE	V	130/260/400	130/260/400	130/260/400	130/260/400	130/260/400	130/260/400
AC CURRENT RANGE	A	4/2/1,5	7,5/3,5/2,5	15,3/7,6/5	23/11,5/7,5	38/19/12.5	60/30/20
AC PEAK CURRENT RANGE	A	4xIn	4xIn	4xIn	4xIn	4xIn	4xIn
DIMENSIONS (WxHxD)		19" - 5U 490mm	19" - 5U 490mm	19" - 8U 490mm	800mm - 24U 800mm	800mm - 38U 800mm	800mm - 38U 800mm

		PCU-3x15K	PCU-3x21K	PCU-3x24K	PCU-3x48K
<b>OUTPUT</b>					
AC POWER RANGE	W	15 000	21 000	24 000	48 000
AC PEAK POWER RANGE	VA	60000	84000	96000	192000
AC VOLTAGE RANGE	V	130/260/400	130/260/400	130/260/400	130/260/400
AC CURRENT RANGE	A	115/57,5/37,5	161/130/52.5	184/92/60	369/184/120
AC PEAK CURRENT RANGE	A	4xIn	4xIn	4xIn	4xIn
DIMENSIONS (WxHxD)		3 X 800mm-800mm-38U	3 X 800mm-800mm-38U	3 X 800mm-800mm-38U	6 X 800mm-800mm-38U