

ACS 500N6

SINGLE PHASE AC VOLTAGE SOURCE 6 KVA



FOR TESTS ACCORDING TO ...

- › EN 61000-3-2
- › EN 61000-3-3
- › IEC 61000-3-2
- › IEC 61000-3-3
- › JIS C 61000-3-2



ACS 500N6 is a single phase AC source, specifically designed for harmonics and flicker testing. It meets the corresponding specifications as per EN/IEC 61000-3-2 and EN/IEC 61000-3-3 as well as JIS C 61000-3-2.

ACS 500N6 provides the perfect sinusoidal and stable voltage signal specified to perform fully compliant harmonics and flicker analysis despite of the mains supply frequency and steadyness of the voltage.

HIGHLIGHTS

- › **FREQUENCY (FUND.) 10HZ .. 80HZ**
- › **OUTPUT POWER MAX. 6,000VA**
- › **OUTPUT VOLTAGE MAX. 300V**
- › **INRUSH CURRENT CAPABILITY**
- › **REMOTE CONTROL VIA RS232**

APPLICATION AREAS

-  INDUSTRY
-  MEDICAL
-  BROADCAST
-  RESIDENTIAL

TECHNICAL DETAILS

OUTPUT

| | |
|-------------------------------|--|
| Voltage range | 0V to 300V |
| Voltage resolution | 0.025% (12 bit) |
| Output frequency | 10Hz to 80Hz |
| Frequency resolution | 0.02Hz |
| Frequency accuracy, stability | 100ppm |
| Output power | 6,000VA |
| Output connector | Safety laboratory connector |
| Output current, 50Hz | Continuous: 24A maximum RMS (max. 3s): 47A Repetitive peak: 200A |
| Output current, 60Hz | Continuous: 24.9A maximum RMS (max. 3s): 47.9A Repetitive peak: 200A |

REGULATION

| | |
|----------------------------------|---|
| Voltage sense | Internal or external, 4 wires |
| Total harmonic distortion | Less than 0.1% |
| Output voltage stability | Better than 0.1% |
| Output voltage accuracy | Better than 0.5% |
| Max. compensatable drop on wires | 5% f.s. |
| Protection | Overcurrent Overtemperature Overvoltage Undervoltage |

INPUT

| | |
|----------------|-----------------------|
| Supply voltage | 3 x 400V (3P,N,PE) |
| Input current | 32A (16A/27A neutral) |
| Line frequency | 45Hz - 65Hz |
| Fuse | 3x 16A internal |
| Connector | CEE type 32A |

AMBIENT CONDITIONS

| | |
|---------------|---------------------|
| Temperature | 0°C to 35°C |
| Rel. humidity | 80%, non condensing |

CONTROL

| | |
|-----------|--------------------|
| Interface | RS 232, 9-pin SubD |
|-----------|--------------------|

DIMENSIONS

| | |
|---------|-----------------------|
| Housing | 19", 6HU |
| Weight | 40kg |
| Size | 287mm x 449mm x 500mm |

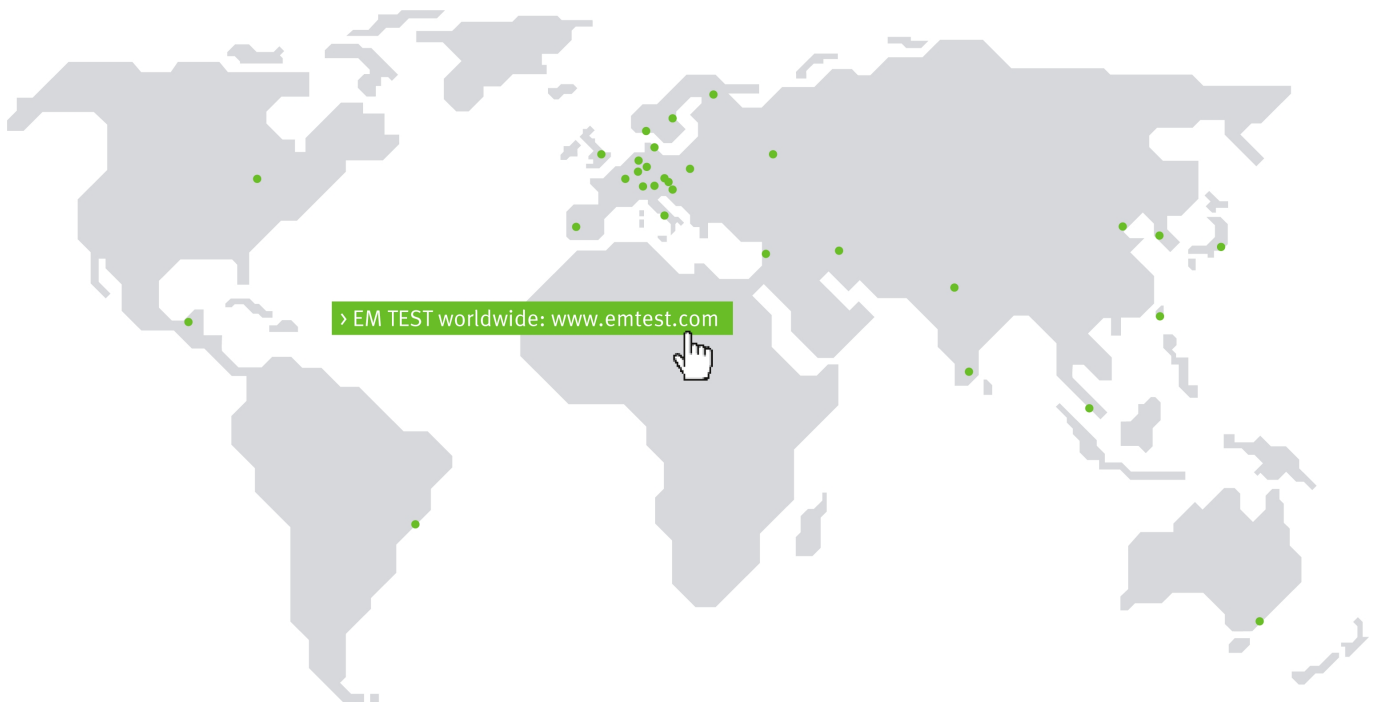
OPTIONS

| | |
|----------|--------------------------------|
| DPA 500N | Harmonic and Flicker meter 16A |
| MRAC 25 | 25 HU rack with Safety Circuit |

OTHER MODELS

| | |
|-----------------------|--|
| ACS 500N2 | AC voltage source, 2kVA |
| Output power | 2,000VA |
| Input voltage/current | 230V (L,N,PE), 16A |
| Output current, 50Hz | Continuous: 7.7A maximum RMS (max. 3s): 15.1A |
| Output current, 60Hz | Continuous: 8.0A maximum RMS (max. 3s): 15.1A |

COMPETENCE WHEREVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release.
 Technical data subject to change without further notice.