



INDUSTRIAL
PLCS



INDUSTRIAL
PROCESSES

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BMPI Series

30-80 kVA

three-phase/single-phase

DC BUS 220 Vdc

BMPI Series 30-80 kVA



PROTECTION FOR INDUSTRIAL APPLICATION

BMPI series is an on-line double conversion UPS (VFI SS 111 in accordance with IEC EN 62040-3) with a transformer isolated inverter and rectifier. BMPI has a compact foot print and high quality output to provide the ultimate power protection for industrial applications: industrial and petrochemical processes, power plants and energy distribution systems.

INDUSTRIAL ENVIRONMENT

BMPI is suitable for severe installation environments such as petrochemical manufacturing sites, where the operating conditions (levels of vibration, mechanical stress, ambient temperatures and dust ingress) require a more robust and industrialised UPS design to those installed within, for example, data centres.

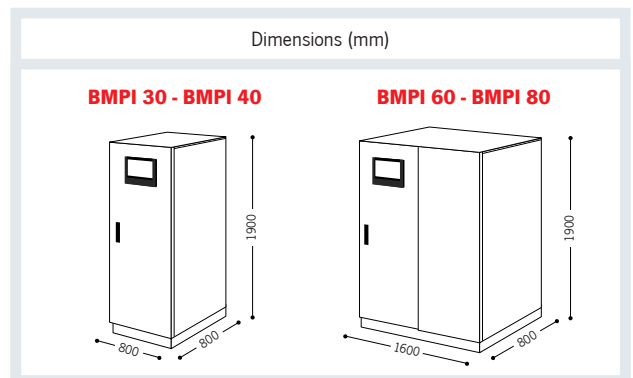
HIGH Icc

A high short-circuit current ($I_{cc} = 3 I_n$) making the UPS suitable for loads with high current peaks; during switch-on or a load step-change.

220V DC VOLTAGE

An input transformer and isolated inverter to protect the 220Vdc bus bar (from 108 to 114 blocks), the recognised industrial standard.

1 YEAR WARRANTY



REDUNDANT VENTILATION

100% redundant ventilation with 50% fan loading at nominal load and each fan monitored for breakdown or failure.

The Easy Source input, the Battery Care System as well as the flexibility and communication features are the same as those offered on the traditional BMP series.

| MODELS | BMPI 30 | BMPI 40 | BMPI 60 | BMPI 80 |
|---|--|---------|-------------------|---------|
| POWER (kVA) | 30 | 40 | 60 | 80 |
| INPUT | | | | |
| Nominal voltage | 380 - 400 - 415 Vac three-phase | | | |
| Voltage tolerance | 400 V \pm 20% | | | |
| Frequency | 45 \div 65 Hz | | | |
| Power factor | \geq 0.93 | | | |
| Current distortion | < 5% C | | | |
| Soft start | 0 \div 100% in 30'' configurable | | | |
| Permitted frequency tolerance | \pm 2% (selectable from \pm 1% to \pm 5% from the front panel) | | | |
| Standard features | Back Feed protection; separable bypass line | | | |
| BATTERY | | | | |
| Number of cells | 108 \div 114 | | | |
| Max Vdc | 274 V | | | |
| Temperature compensation | -0,5 V \times °C | | | |
| OUTPUT | | | | |
| Rated power (kVA) | 30 | 40 | 60 | 80 |
| Active power (kW) | 24 | 32 | 48 | 64 |
| Nominal voltage | 230 Vac single phase | | | |
| Static stability | \pm 1% | | | |
| Dynamic stability | \pm 5% | | | |
| Voltage distortion | < 1% with linear load / < 3% with distorting load | | | |
| Frequency | 50 or 60 Hz configurable | | | |
| Peak factor | 3 : 1 | | | |
| Overload | 110% for 60'; 125% for 10'; 150% for 1' | | | |
| Short circuit current | 3 Inom. | | | |
| SYSTEM | | | | |
| Remote signalling | Voltage-free contacts | | | |
| Remote commands | EPO and bypass | | | |
| Communication | double RS232 + remote contacts + 2 communication interface slots | | | |
| Efficiency | Up to 94% | | | |
| Dimensions (HxWxD) (mm) | 1900 x 800 x 800 | | 1900 x 1600 x 800 | |
| Weight (kg) | 850 | 900 | 1400 | 1500 |
| Noise level | 63 \div 68 dBA at 1 m | | | |
| Ventilation | Redundant fans | | | |
| Operating temperature | 0°C \div +40°C | | | |
| Relative humidity | < 95% non condensing | | | |
| Protection rating | IP20 | | | |
| Colour | Light grey RAL 7035 | | | |
| Compliance | Safety: EN 62040-1-1 (directive 2006/95/EC); EMC: EN 62040-2 (directive 2004/108/EC) | | | |
| Classification according to IEC 62040-3 | (Voltage Frequency Independent) VFI - SS - 111 | | | |

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