

# APP Series Magnetic Power Pack



The APP Series has movable wagon type mobile power pack. These Magnetic Power Packs are available in eleven configuration that offers 1500 Amps to 15,000 Amps range of Alternating Current (AC), Half Wave Direct Current (HWDC) or Full Wave Direct Current (FWDC).

The APP Series is an industrial magnetic particle inspection machine, which can rapidly and easily magnetise the job which can further be inspected for surface and subsurface defects in ferromagnetic material without any destruction. The machine can be widely used in any field that need defect inspection, quality control, safety inspection and in-service inspection. The precise amount of desired current is delivered to the output circuit when the magnetizing shot is initiated. The thyristor based step-less control is provided to control the output current.

## Salient Features:

- AC, HWDC or FWDC Mag facility
- True Calibrated Digital Ammeter
- Low-voltage output for operator safety
- Overload and short circuit protected switching
- Emergency cut off
- 2.5 meter long low resistance prod cable (optional extra cable length available)
- Powder coated rust proof MS Housing with matt finish
- Lockable caster wheels for controlled movement of the machine
- Tray on the top for storage of cable and other MPI Accessories
- Locate defects in any direction using Prods, Central Conductor, or cable
- Auto Cut-Off with temperature sensor

## Optional:

- In built AC demagnetizer
- FWDC
- Step based current control

## Kit Contains:

- Power Pack
- 2.5 meter long Prode Cable (1 Pair)
- Operational Manual
- Certificate of Conformance

### Technical Specifications:

Specification	APP-1500C	APP-2000C
Input Voltage	230 Volt, 50 Hz AC	230/415Volt, 50 Hz AC
Phase	1-Phase,1 Neutral,1 E	1 or 2-Phase,1 Neutral,1 E
Current Range	1500 Amps AC/HWDC/FWDC	2000 Amps AC/HWDC/FWDC
Operating Temperature	55° C	55° C
Humidity	95 %	95 %
Duty Cycle	2 Sec ON, 6 Sec OFF	2 Sec ON, 6 Sec OFF
Current Control	SCR Stepless Control	SCR Stepless Control
Cable Size	120 sq.mm	120 sq.mm
Overall Dimensions (L×W×H)	550 mm × 418mm × 340mm	550 mm × 418mm × 340mm

Specification	APP-2500S	APP-3000S	APP-4000S
Input Voltage	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC
Phase	2 or 3-Phase,1 Neutral,1 E	2 or 3-Phase,1 Neutral,1 E	2 or 3-Phase,1 Neutral,1 E
Current Range	2500 Amps AC/HWDC/FWDC	3000 Amps AC/HWDC/FWDC	4000 Amps AC/HWDC/FWDC
Operating Temperature	55° C	55° C	55° C
Humidity	95 %	95 %	95 %
Duty Cycle	2 Sec ON, 8 Sec OFF	2 Sec ON, 8 Sec OFF	2 Sec ON, 8 Sec OFF
Current Control	SCR Stepless Control	SCR Stepless Control	SCR Stepless Control
Cable Size	120 sq.mm	120 sq.mm	185 sq.mm
Overall Dimensions (L×W×H)	650mm × 430mm × 480mm	650mm × 430mm × 480mm	650mm × 430mm × 480mm

Specification	APP-5000M	APP-6000M	APP-8000M
Input Voltage	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC
Phase	2 or 3-Phase,1 Neutral,1 E	2 or 3-Phase,1 Neutral,1 E	2 or 3-Phase,1 Neutral,1 E
Current Range	5000 Amps AC/HWDC/FWDC	6000 Amps AC/HWDC/FWDC	8000 Amps AC/HWDC/FWDC
Operating Temperature	55° C	55° C	55° C
Humidity	95 %	95 %	95 %
Duty Cycle	2 Sec ON, 8 Sec OFF	2 Sec ON, 10 Sec OFF	2 Sec ON, 10 Sec OFF
Current Control	SCR Stepless Control	SCR Stepless Control	SCR Stepless Control
Cable Size	185 sq.mm	240 sq.mm	400 sq.mm
Overall Dimensions (L×W×H)	1110 mm × 800mm × 840mm	1110 mm × 800mm × 840mm	1110 mm × 800mm × 840mm

Specification	APP-10000L	APP-12000L	APP-15000L
Input Voltage	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC
Phase	2 or 3-Phase,1 Neutral,1 E	2 or 3-Phase,1 Neutral,1 E	2 or 3-Phase,1 Neutral,1 E
Current Range	10000 Amps AC/HWDC/FWDC	12000 Amps AC/HWDC/FWDC	15000 Amps AC/HWDC/FWDC
Operating Temperature	55° C	55° C	55° C
Humidity	95 %	95 %	95 %
Duty Cycle	2 Sec ON, 10 Sec OFF	2 Sec ON, 10 Sec OFF	2 Sec ON, 10 Sec OFF
Current Control	SCR Stepless Control	SCR Stepless Control	SCR Stepless Control
Cable Size	400 sq.mm	400 sq.mm	400 sq.mm
Overall Dimensions (L×W×H)	1308 mm × 850mm × 936mm	1308 mm × 850mm × 936mm	1308 mm × 850mm × 936mm

**Note:** Customized Power Pack can be manufactured above 15000Amps capacity.

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