

APP Series Magnetic Power Pack



The APP Series has movable wagon type mobile power pack. These Magnetic Power Packs are available in six configuration that offers 1500 Amps to 6000 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 Analog 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 Coil

Optional:

- *Digital Ammeter
- In built demagnetizer in AC
- FWDC
- Step based current control

Technical Specifications:

Specification	APP-1500S	APP-2000S
Input Voltage	230 Volt, 50 Hz Ac	415 Volt, 50 Hz Ac
Phase	1-Phase, 1 Neutral	2-Phase, 1 Neutral
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)	700 mm × 430mm × 640mm	700mm × 430mm × 640mm

Specification	APP-3000M	APP-4000M
Input Voltage	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC
Phase	3- Phase, 1 Neutral	3- Phase, 1 Neutral
Current Range	3000 Amps AC/HWDC/FWDC	4000 Amps AC/HWDC/FWDC
Operating Temperature	55° C	55° C
Humidity	95 %	95 %
Duty Cycle	2 Sec ON, 8 Sec OFF	1 Sec ON, 8 Sec OFF
Current Control	SCR Stepless Control	SCR Stepless Control
Cable Size	240 sq.mm	240 sq.mm
Overall Dimensions (L×W×H)	900mm × 600mm × 730mm	900mm × 600mm × 730mm

Specification	APP-5000L	APP-6000L
Input Voltage	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC
Phase	3- Phase, 1 Neutral	3- Phase, 1 Neutral
Current Range	5000 Amps AC/HWDC/FWDC	6000 Amps AC/HWDC/FWDC
Operating Temperature	55° C	55° C
Humidity	95 %	95 %
Duty Cycle	1 Sec ON, 10 Sec OFF	1 Sec ON, 10 Sec OFF
Current Control	SCR Stepless Control	SCR Stepless Control
Cable Size	240 sq.mm	240 sq.mm
Overall Dimensions (L×W×H)	1100mm × 800mm× 980mm	1100mm × 800mm × 980mm

Kit Contains :

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

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