

APP Series Magnetic Power Pack



The APP Series has movable wagon type mobile power pack. These Magnetic Power Packs are available in ten 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 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
- Auto cut-off with temperature sensor

Optional:

- In built demagnetizer in AC
- 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	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)	550 mm × 375mm × 460mm	550 mm × 375mm × 460mm

Specification	APP-3000S	APP-4000S	APP-5000S
Input Voltage	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC
Phase	3-Phase, 1 Neutral	3-Phase, 1 Neutral	3-Phase, 1 Neutral
Current Range	3000 Amps AC/HWDC/FWDC	4000 Amps AC/HWDC/FWDC	5000 Amps AC/HWDC/FWDC
Operating Temperature	55° C	55° C	55° C
Humidity	95 %	95 %	95 %
Duty Cycle	2 Sec ON, 8 Sec OFF	1 Sec ON, 8 Sec OFF	1 Sec ON, 10 Sec OFF
Current Control	SCR Stepless Control	SCR Stepless Control	SCR Stepless Control
Cable Size	240 sq.mm	240 sq.mm	240 sq.mm
Overall Dimensions (L×W×H)	1110 mm × 800mm × 840mm	1110 mm × 800mm × 840mm	1110 mm × 800mm × 840mm

Specification	APP-6000M	APP-8000M	APP-10000M
Input Voltage	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC
Phase	3-Phase, 1 Neutral	3-Phase, 1 Neutral	3-Phase, 1 Neutral
Current Range	6000 Amps AC/HWDC/FWDC	8000 Amps AC/HWDC/FWDC	10000 Amps AC/HWDC/FWDC
Operating Temperature	55° C	55° C	55° C
Humidity	95 %	95 %	95 %
Duty Cycle	1 Sec ON, 10 Sec OFF	1 Sec ON, 10 Sec OFF	1 Sec ON, 10 Sec OFF
Current Control	SCR Stepless Control	SCR Stepless Control	SCR Stepless Control
Cable Size	240 sq.mm	240 sq.mm	240 sq.mm
Overall Dimensions (L×W×H)	1308 mm × 850mm × 936mm	1308 mm × 850mm × 936mm	1308 mm × 850mm × 936mm

Specification	APP-12000L	APP-15000L
Input Voltage	415 Volt, 50 Hz AC	415 Volt, 50 Hz AC
Phase	3- Phase, 1 Neutral	3- Phase, 1 Neutral
Current Range	12000 Amps AC/HWDC/FWDC	15000 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)	1450mm × 1000mm× 1127mm	1450mm × 1000mm× 1127mm

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