

# EECIFLUX

## Model: EFD 6000

### MOBILE POWER UNIT

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SMART DIGITAL CONTROLLER



Some parts for magnetization cannot be moved so the magnetization station needs to be brought to the part. The EFD series offers a solution by providing an adaptable mobile unit. These units features AC or Half wave DC output. Output rating is based on the load specified.

## FEATURES

- Unit is suitable for working on AC & HWDC as test currents.
- Smart Digital control and display meter for easy current setting and closed loop current feedback.
- Mag ON variable time from 0.5 – Max 2 sec
- Rugged construction for reliable magnetic inspection
- Thyristorised step less solid-state current control
- Heavy-duty caster wheels make it possible to carry unit anywhere on the shop floor
- Detects surface as well as sub-surface defects.
- Capable of detecting defects in all directions using prods, Central Conductor or 5 turn coil
- Inspection can be done with dry as well as wet method
- Equipment conforms to international specifications
- Remote control option for convenience & productivity
- Equipped with two output ports of 230V for attachment of backlight and handy Yokes
- Demagnetization of parts in AC mode by slowly turning the current to zero
- Current compensation adjustment in smart digital controller

## BENEFITS

- Ability to easily move the unit to the part for inspection
- Assure testing accuracy and repeatability with direct amperage control and fluctuation mitigation
- Convenient space is provided on the top of machine to wrap cables after use, saves space as well as keep cables lasting longer without being dragged along the floor while moving
- Provided with heavy-duty bolt-type connectors. Switch over from AC to HWDC is manual

## TECHNICAL SPECIFICATIONS

	EFD - 6000
Input Supply	415VAC $\pm 5\%$
Frequency	50 Hz
Phase	3 Ph
Class of Insulation	F
Duty Cycle	50%
Output Current	6000Amps $\pm 10\%$
Shot Time	Digitally Adjustable 0.5 Sec to 2 Sec $\pm 0.1$ Sec
Magnetizing Current	AC & HWDC
Current Control System	Thyristorised Step-less Solid state current control using a smart digital controller
Display	4 digit Digital LED Display
Safety Features	Over Heating Protection
Dimension (L x W x H)	1020mm (L) x 750mm (W) x 910mm (H)
Weight (Approx)	180 Kg
Standards	ASTM E709, E1444

## OPTIONAL ACCESSORIES

VNMPA001	Pair of prods with two 2.5 m long cable with remote switch, PCL 2.5
VNMPA002	Pair of prods with two 5 m long cable with remote switch PCL 5
VNMPA003	Cable for wrap magnetizing, 5 m long with remote switch WCL 5
VNMPA004	Cable for wrap magnetizing, 10 m long with remote switch WCL 10
VNMPA005	Transport trolley for MPI units, TL
VNMPA007	Pair of prods without cable Px2
VNMPA008	Pair of prods without cable, Replaceable copper tip PRX2