

BIPOLAR MPS



Bipolar Magnet Power Supplies

$\pm 10 \dots \pm 2200A$

$\pm 50 \dots \pm 750V$



International Electric Co.

IECO Bipolar Magnet Power Supplies

IECO is the leading manufacturer of magnet power amplifiers for pulsed magnets and other demanding applications requiring high power with 4-quadrant operation. IECO amplifiers are used in hundreds of sites around the world with continuously expanding equipment base.

IECO's modular amplifier structure provides excellent platform for dimensioning the equipment according to the exact needs of the application. This will eliminate costs incurred by overdimensioning without risking system reliability.

Key features



Typical configuration with output current $2 \times \pm 1000A$ / 500Arms and space for customer control electronics.

Item	Data
Output current	$\pm 10 \dots \pm 2200A$
Output power	5...300kW
Output voltage	$\pm 50 \dots \pm 750V$ (up to $\pm 1500V$ with split coil configuration)
Output type	4 quadrant
Input voltage	3~ 400 – 480VAC 50/60Hz
Bandwidth	up to 10kHz
Stability	100...10 ppm
Interface	Analogue $\pm 10V$
Example output current	
Load characteristics	Range from μH to H Multi-coil support available
Load energy management	Capacitor banks, crowbar protection
Cooling	Air cooling
Dimensions	Width: 600mm Depth: 900mm Height: 1200...2200mm Note, these are single cabinet dimensions. With power levels above 70kW additional cabinets may be needed.