

M2, M4 AC Power Supplies



M2

The MIYACHI PECO M2 and M4 are compact, easy to use and versatile AC Power Supplies, which offer a variable weld voltage and application-specific modifications

Maximum reliability delivers maximum up time and minimum maintenance cost

Applications range from automation, to strand welding and compacting especially for materials with good welding properties

Thanks to its premium cost of ownership MIYACHI PECO M2 and M4 AC power supplies are a very reasonable long term investment

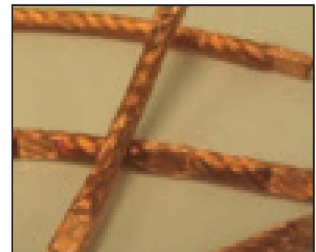


M4

TYPICAL APPLICATIONS



Automotive



Electronics



Attachment

TECHNICAL SPECIFICATIONS

	M2L	M2P	M4L	M4P
Configuration hardware	Compact Tower AC power supply for external welding transformers; with integrated power stage		Compact 19" flat AC power supply with air control unit, without main stage	
Special features	M2P and M4P are equipped with external program selection and proportional valve control			
Generic options	Cycle control unit; 3-point electrodes for insulated wire welding, other voltages; external weld schedules with 99 programs via BCD selection			
Special options			Integral air cassette C40 (M4L) or CPV (M4P)	
Supply voltage	400 V AC +/- 10% (440/480 V optional for M4L and M4P)			
Main frequency	50-60 Hz			
Connected rating	4.5kVA (with TRM3 transformer)		Depends on transformer	
Fusing	25/20A delayed		Depends on transformer	
Connecting cable	2 x 4 mm ² , 2 m long		Depends on transformer	
Protection class	IP30			
Weld voltage	Depends on connected transformer			
Open circuit voltage	Variable via 8-step switch, Vmax is dependent on connected transformer		Depends on transformer	
Nominal power	Depends on connected transformer; max 15 kVA at 50% d.r.		Depends on transformer	
Max. Power rating	Depends on transformer max 80 kVA		Depends on transformer	
Max weld current	Depends on connected transformer			
Sequence control	for weld head with stroke cylinder or for weld pincers as an option			
Control/control mode	Via phase angle with secondary voltage stepping switch			
Weld head control	Variable hold, rest and repeat times; as selected via air or proportional valve, with closing and welding pressure			
Programmable and external weld schedules	99			
# Of weld pulses	2 programmable pulses			
Weld pulse control	Closing time, squeeze time, up-slope, on-time, down-slope			
Repet. Of 2nd weld pulse	Max. 99			
Weld transformer	TRM3		TRM1, TRM3, TRM4 or TR5	
Analog in- and output	M2L, M4L: none; M2P, M4P: Pressure sensor for proportional valve			
Binary interface input	Start 1 to 3, quick-stop, without current			
Binary interface output	Stepping contact; ready; air valve 1 to 3; locking contact; BSD selection (M2P and MP4P only)			
Environment temp.	0-40 °C			
Cooling	Water-cooled (2L/min at 3 bar)		Air-cooled	
Legal approval	CE compliant			

WEIGHT & DIMENSIONS

Weight	approx. 30 kg	approx. 7,5 kg
Dimensions (LxHxD)	220 x 420 x 570 mm	450 x 135 x 335 mm