

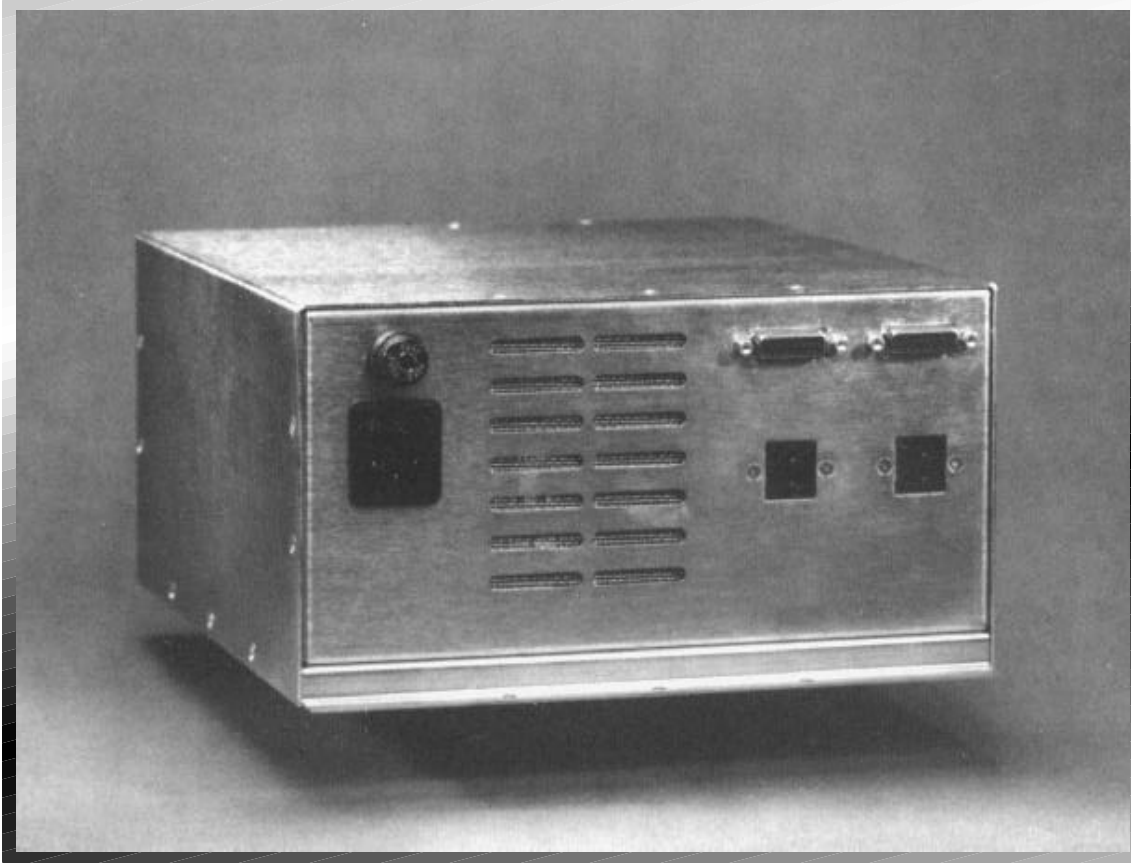
**Product:**  
Power Chassis

**Used For:**  
3E Size Amplifiers

**Mounting:**  
Stand Alone or Panel Mount

**Power:**  
Up to 80 VDC @ 25 A

**#of Axes:**  
Up to Three



# EPS-Sx

Low-Voltage Power Chassis

The EPS-Sx is a small footprint power chassis for use with low voltage (60 Volts or less) edgemount style amplifiers. Available in two, three or four axis versions, the EPS Series chassis includes an unregulated Bus Voltage supply, and pre-wired connections for amplifier inputs and outputs. Available options include a regulated Bias Supply ( $\pm 12\text{VDC}$  @ 500mA) / Shunt Regulator card (10A peak, 3A RMS @ 60 Volts), and a Top Cover. All components are housed within the chassis, with the exception of the four axis version, which requires an external transformer.

Also available is a single axis version of the EPS with a built in PMC-S1 Motion Controller. This makes a very compact single-axis system complete with a power supply, amplifier and controller all in one unit.

- Pre-Wired Connections for Amplifier Inputs and Outputs
- Available Bus Voltages: 27, 35, 40, 45, 60 or 80VDC
- Available Bias Supply / Shunt Regulator Card (Bias:  $\pm 12\text{VDC}$  @ 500mA / Shunt Reg: 10A Peak, 3A RMS @ 60V)
- Small Footprint
- Simplifies Amplifier Installation and Connection
- Single Axis Version available with Built In PMC-S1 Motion Controller
- Can House Brush Type or Brushless Amplifiers
- Uses Standard IEC Style Power Cord
- Advanced Design, High Quality and High Reliability at a Lower Cost

## SPECIFICATIONS

Standard Models:	S1-4/25-PMC	S2-4/25	S3-4/25	S4-4/25
Max # of Axes	1	2	3	4
Weight	5.05 Lb (2.29 Kg)	5.05 Lb (2.29 Kg)	5.05 Lb (2.29 Kg)	5.05 Lb (2.29 Kg)
Notes	With PMC-S1 Controller			External Transformer
Dimensions (A x B)	9.30 x 10.50" 236 x 267mm			8.20 x 10.50" 208 x 267mm
Mounting Dims (a = dist. from "REF")	a1=2.65 a2=4.65 a3=6.65 b1=10.00			a1=2.65 a2=4.65 a3=6.65 b1=10.00
Input Voltage	120VAC			
Bus Output Voltage	27, 35, 40, 45, 60 or 80 VDC			
Bus Output Current*	25 A Continuous			
Main Transformer	250 Watt Standard, Others Optional			
Accessories	See Chart Below			
Recommended Amplifiers	BLH-S1, PDH-S2, LDH-A1, LDH-S1, LDH-S2, LDH-S3			

\*All ratings with forced air cooling to maintain 40°C internal temperature. Failure to keep constant air flow to the unit will reduce the output current capacity and may result in damage to the unit.

## PINOOTS

### J1: SIGNALS

The connections to the DB-15 connector will depend upon the amplifier used. Documentation will be provided with each chassis listing the pin assignments for this connector.

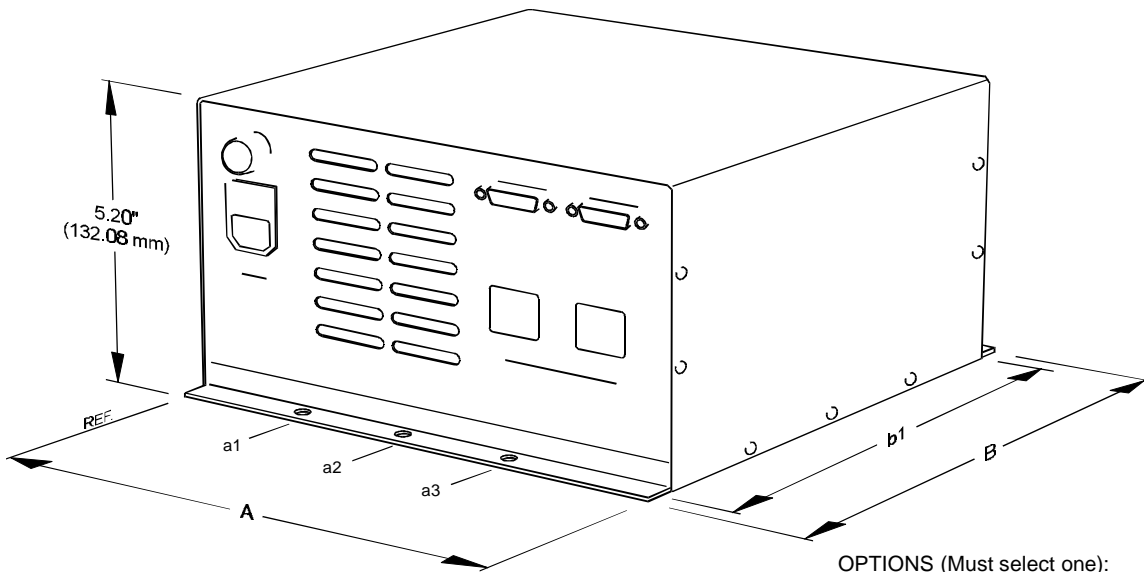
### J2: MOTOR

#### Brush Type Motors

Pin	Function
1	Motor Phase A
2	No Connection
3	Motor Phase B
4	No Connection

#### Brushless Motors

Pin	Function
1	Motor Phase A
2	Motor Phase B
3	Motor Phase C
4	No Connection



### Ordering Information:

Product	Order Number
EPS-S1-4/25-PMC Chassis 40 VDC/25A	WS-904-0004
EPS-S2-4/25 Chassis 40 VDC/25A	WS-904-0001
EPS-S3-4/25 Chassis 40 VDC/25A	WS-904-0002
EPS-S4-4/25 Chassis 40 VDC/25A	WS-904-0003
OPT-T1A .25 kVa Transformer 27,35,40V	WS-005-0001
OPT-T1A .50 kVa Transformer	WS-005-0002
OPT-T1A 1.0 kVa Transformer	WS-005-0003
OPT-T1A .25 kVa Transformer 40,60,80V	WS-005-0014
OPT-T1A .50 kVa Transformer	WS-005-0015
OPT-T1A 1.0 kVa Transformer	WS-005-0016
ACC-C1A Shunt Reg / Bias Supply	WS-011-0010
ACC-C2B 3 Phase Inductor Assembly	WS-011-0011
ACC-C2C 2 Phase Inductor Assembly	WS-011-0017

#### OPTIONS (Must select one):

.25 kVa Transformer (27, 35 or 45V Bus)	OPT-T1A
.50 kVa Transformer	OPT-T2A
1.0 kVa Transformer	OPT-T3A
.25 kVa Transformer (40, 60 or 80 V Bus)	OPT-T1B
.50 kVa Transformer	OPT-T2B
1.0 kVa Transformer	OPT-T3B

#### ACCESSORIES (Select as needed):

Bias Supply / Shunt Regulator Card	ACC-C1A
3 Phase Inductor Assembly	ACC-C2B
2 Phase Inductor Assembly	ACC-C2C
PMC-S1 Software	ACC-S1A

#### Represented By:

