

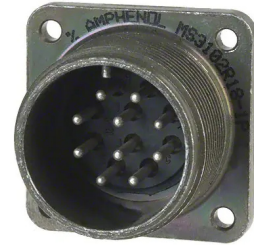


# RESERVE INIT

EXTERNAL POWER SUPPLY FOR AMPLIFIER



FOR QUARK OR BOSON



## EXTERNAL POWER SUPPLY FOR QUARK OR BOSON

Brand	Eon Art	Environmental responsibility	Replacement module for all wear components according to a 5-year schedule
Name	Reserve Init	Repair Index	8/10 -Specialist required
Type	Two power supply models (Quark or Boson)	Life Cycle	50 years when Recommended schedule is adhered to.
Control	Remotely from the amplifier unit	Component warranty	10 YEARS -Full product
Soft start & Pre-heat	5 minutes minimum / 24 hours optimum	Wearable components	Recommended schedule provided
Cooling	Natural convection, case temperature of 45 celcius at 23 celcius ambient	Low light mode	Always ON / 10 sec-delay
Protection mechanisms		Modularity	Set of (2) independant printed circuits: 1 for depreciable components
Thermal Excess	Built-in automatic shutoff	Board thickness	2.5 mm (twice the industry standard)
Over current from internal source	Built-in automatic shutoff	Qty of layers	Eight (8x) layers upon the circuit
Over voltage from internal source	Built-in automatic shutoff	PCB track thickness	70 micron copper for each layer
Fuses	(12) 2 main, 10 internals	PCB colour	Reflective blue
Self-diagnosis	Bluetooth, LED's, microprocessors	Electromagnetic shielding	Faraday cage in sensible zone and antistatic windings on transformers Three (3) independant internal steel magnetic shield sub-boxes layered with mu-metal
Power supplies list:		Capacitor brands	Solen PA, Mundorf/125 Deg, Nichicon/105 Deg
1) Auxiliary relay control: 53,600µF/12VDC medical filtering & solid state regulation		Processors	One (1) Pic
2) Auxiliary logic control: 67,000µF/5VDC medical filtering & solid state regulation		Internal cabling	Silicon insulated tin plated OFC, Supra Lorad 3 x 1.5 mm tin plated OFC
3) Volume control: 1,511µF/22VDC medical filtering & solid state regulation		Casing	Black powder coated steel chassis
4) Volume control: 1,511µF/-22VDC medical filtering & solid state regulation		Front panel	19 mm solid white enamelled front panel. RAL color available in option
5) High voltage preamplifier: 937µF/(MAX 220)VDC medical filtering & all tubes regulation		Access Security	Screw cover
6) 5AR4 filament preamplifier: 10µF/5VAC medical filtering		Base	Soundcare feet. Microphonic vibration neutralizer
7) 6V6 filament preamplifier: 10µF/6.3VAC medical filtering		Supply voltage factory set	Ameriques, Europe, others
8) 12AX7 filament preamplifier: 10µF/6.3VAC medical filtering		AC mains input	IEC with a two (2) meters Supra cable
9) 6922 filament preamplifier: 92,451µF/12.6VDC medical filtering & solid state regulation		Weight (per unit)	57 lbs / 25.85 kg
10) Amplifier input stage: 26,400µF/22VDC medical filtering & Kelvin solid state regulation		Dimensions (W x D x H)	430 mm x 400 mm x 230 mm
11) Amplifier input stage: 26,400µF/-22VDC medical filtering & Kelvin solid state regulation		Packaging Assembly	Pelican Storm 633 x 536 x 333 mm Handmade in Canada by Eon Art
12) Amplifier output stage (Quark): 132,004µF/(MAX 60)VDC Kelvin solid state regulation		Quality control	Five-level procedure
Amplifier output stage (Boson): 60,004µF/(MAX 75)VDC Kelvin solid state regulation		Product certification	Audio Precision and Rigol acquisition analyser
13) Amplifier output stage (Quark): 132,004µF/(MAX -60)VDC Kelvin solid state regulation		Musical quality	Listening session for each product
Amplifier output stage (Boson): 60,004µF/(MAX -75)VDC Kelvin solid state regulation		Availability	50 units per year, numbered edition
Power supplies filters	5 upon the IEC-60601-1 medical norm		
Total Capacitive reserve	Quark (>409,259µF) Boson (>265,259µF)		
Transformers	15 secondary windings in three independent units for a total of 840VA or 1085VA		
Maximum power consumption	Quark 840W, Boson 1085W		
Inrush power consumption	Softstart at 12.23A / 274W		
Idle power consumption	2.46W		
Ombilical cabling	Double (2) ten (10) conductors tin plated OFC shield and tin plated OFC conductors cables, double insulated with polyurethane and polypropylene. Two (2) cables of two (2) meters supplied.		
Ombilical Connectors	Shielded chrome and cadmium metal alloy 10 pins circular locking military connectors		

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