

PUREPOWER[®] Gold

PurePower has achieved a major advance in the state of the art of AC regeneration for high end audio with the introduction of PurePower Gold. It is the ultimate expression of our unique PurePower regeneration technology. It introduces a new standard of total isolation of the AC power system from the sensitive audio signal path while providing an ideal path for maximum unimpeded current flow to pre-amp, amplifiers and source components.

SILENT OPERATION

GOLD CONTACTS, SILVER CONDUCTORS

NO SAG CABLE CONNECTORS

SOLID COPPER BUS BAR

OFF GRID OPERATION

3000 VA RMS POWER OUTPUT

LITHIUM BATTERY PACK

720 WATT HOUR POWERPACKS

WIFI REMOTE

FULL EMI/RFI SHIELDING

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The Ultimate Audio Power Regenerator

PurePower Gold was made possible by 2 years of experimentation with high efficiency heat sink designs based on a scaled up pin heat sink technology culminating in the patent pending hollow pin heat sink. It allows fan free operation of our 2700 watt regeneration technology for truly silent operation.

At the same time the PurePower Gold charging technology has been integrated with unique high power LiFePO4 lithium batteries that give 10 years or more battery life with over 2000 discharge cycles. Finally, Audiophiles who wish to completely isolate their systems from utility power can listen off line – running purely on battery power.

PurePower Gold also achieves another of our long time goals – the total isolation of the AC power system from the sensitive audio signal path. PurePower Gold not only regenerates a perfect AC supply, it uses a unique specially shielded cable system with gold “locking” connectors to deliver that power to all audio components through an ideal path for maximum unimpeded current flow to pre-amp, amplifiers and source components.

The Benefits of PurePower Regeneration Technology

Perfect reference grade AC power with peak current boost that delivers more current to amplifiers to drive peak music demand up to 20% higher than the wall outlet for dramatic improvements in music dynamics.

AC Power that is unchanging from minute to minute, hour to hour and day to day so you get that “Midnight Saturday” sound all day every day.

Total isolation from all utility power problems. PurePower AC regeneration technology creates a brand new perfect AC sine wave. Accurate voltage to +/- 1%, noise free, 100% protection from surges and sags.

Jaw dropping improvements in sonic performance of high end audio system with clearly improved dynamics, sound stage, separation, noise floor and bass.



PurePower Gold features:

SILENT OPERATION Fan free cooling is now possible thanks to PurePower's patent pending super efficient hollow pin heat sink. It utilizes a pure copper 1/4" thick x 4" wide T profile with 270 hollow copper tubes to draw warm air from the case while directly cooling high power transistors.

GOLD CONTACTS, SILVER CONDUCTORS Unimpeded current flow is enhanced throughout the AC power path with all gold contacts at every interface and silver conductors

NO SAG CABLE CONNECTORS High contact area locking blades on the PurePower cable plugs and receptacles at both the input and output of our MonoLock high current cables makes absolutely certain connections are secure and reliable.

SOLID COPPER BUS BAR Star grounding configuration effectively achieved with a 1 inch solid low oxygen copper bus bar and external ground post.

OFF GRID OPERATION PurePower Gold PowerPacks feature solar/wind charging inputs to let your audio system "go green" if you really want to be exotic – (or listen on a deserted island).

3000 VA RMS POWER OUTPUT Enough power to handle the most power hungry amplifiers and sub woofers. The only AC audio power regenerator able to run both source components and high power amplifiers.

LITHIUM BATTERY PACK True off utility pure battery power operation whenever you wish with 10 year, 2000 cycle PurePower Lithium 720 watt hour high power battery packs.

OPTIONAL 720 WATT HOUR POWERPACKS Up to 3 extra Lithium Powerpacks for extended listening or viewing off grid for hours on end.

WIFI REMOTE Color touch screen removable display and controller with WiFi connectivity, wireless charging and memory storage of AC power event history.

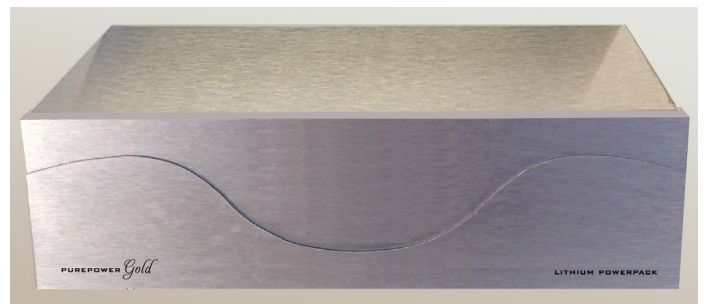
FULL SHIELDING EMI and RFi isolation of the entire AC power network including all cables and cords totally separates the AC power system from the Audio signal path.

GOLD PREMIUM OUTPUT RECEPTACES Gold-plated output receptacles provide full current for all components.

GOLD SERIES BASE MODEL



LITHIUM POWERPACK



PurePower Gold Technical Specifications — 120 Volt

INPUT

Input voltage	Nominal Voltage 120
Voltage Range	55-150
Frequency	50 / 60 Hz auto sensing
Input connection	L5-30 male panel mount
Input line cord:	PurePower Gold input line cord, 15, 20 or 30 amp plug to match planned output power level. Three #10 silver plated aerospace grade Teflon jacketed conductors, double shielded with steel super flex conduit and silver plated copper braid EMI shield enclosed in carbon black sleeve. Gold plated PurePower L5-30 120 volt 30 amp female input connector.
Input Power Factor	>0.95 @ nominal voltage
Earth leakage	3.5 mA, max
Standby Power Consumption	10 watts

OUTPUT

Output voltage	120 volt AC – 100/110/115/120/127 user selectable
Voltage regulation	+/- 1% of nominal
Output Frequency	50 or 60 Hz, user selectable
Frequency regulation	+/- 0.5%
Efficiency	88-92% depending on load
Output Power	3000VA, 2700 Watts RMS, 230 Volts AC
Short term (2 mins)	3510 watts
Short term (10 secs)	5400 watts
Instantaneous	8,100 watts
Output receptacles:	Three 20 amp, 120 volt PurePower L5-20 locking receptacles for main amplifier, pre-amp and source component loads, all contacts gold plated. Eight Oyaide Gold 5-15/20R receptacles each capable of full load for PurePower or 3rd party AC cables.

PHYSICAL

Form factor	2 modules connected by fully shielded umbilical, side by side or top and bottom configuration
Regeneration module dimensions	17" x 17" x 5.25"
Weight – Regenerator module	36 lbs
PowerPack module dimensions	17" x 17" x 3.5"
PowerPack module weight	32 lbs
PowerPack battery configuration	Six 12 volt High Power Lithium Iron Phosphate (LiFePo4) batteries provide 720 watt hour capacity and 2 thousand cycle life. Will allow up to 40 minutes off grid operation at 50% power. Battery life of 10 years or more.

INTERNAL CONSTRUCTION:

Silver plated aerospace spec internal wiring. Star configuration grounding of all input and output receptacles through solid oxygen free copper ground bus.

Manual control	Basic manual control through LED front panel display with on/off/display and mode programming buttons.
Remote control	Removable Android WIFI controller with PurePower control app providing all on/off/mode controls, programmed control of output receptacles, output waveform analysis of voltage and current, historic analysis of utility electrical events with 5" interactive color screen. Internet communication offers factory diagnostic support. The remote is charged automatically by a wireless charger when placed in its cradle.

OPTIONAL ACCESSORIES

Gold Power Distribution Bar	PurePower Gold Bar Power distribution unit with 6 NEMA 5- 15/20, gold plated receptacles. Connects to PurePower Gold output receptacle via 100% shielded PurePower MonoLock cable.
Additional Lithium Power Packs	PurePower Gold Lithium PowerPacks may be daisy chained to increase total off grid listening time. Each PowerPack adds 720 Watt hours of power more than doubling run time of the base unit.
PurePower MonoLock AC power cables	Double shielded PurePower 10 gauge silver conductor cables with gold plated L5-20 plugs mate with the PurePower Gold output locking receptacles for high power components.
PurePower source component AC power cables	Light gauge double shielded AC cables are highly recommended to maintain the integrity of the complete AC power network EMI and RFI isolation. They are available with Nema 5-15 plugs and IEC C13 or C19 connectors.

ENVIRONMENTAL AND SAFETY

EMC monitors	FCC Class B and VCCI Class II
Ambient operating temperature	32 - 90• F (0 - 32•C)
Audible noise	<10 Decibel
Relative humidity	0 to 90% non-condensing
Diagnostics	Full system self-test on power up, user selectable diagnostics at any time through front panel controls or remote control Android app. Factory remote diagnostics via WiFi internet.

PurePower Gold Technical Specifications — 240 Volt

INPUT

Input voltage	Nominal Voltage 230
Voltage Range	100-300
Frequency	50 / 60 Hz auto sensing
Input connection	L6-15 male panel mount
Input line cord:	PurePower Gold input line cord, plug to suit local receptacle type, 3 #10 silver plated aerospace grade Teflon jacketed conductors, double shielded with steel super flex conduit and silver plated copper braid EMI shield enclosed in carbon black sleeve. Gold plated PurePower L6-15 230 volt 15 amp female input connector.
Input Power Factor	>0.95 @ nominal voltage
Earth leakage	3.5 mA, max
Standby Power Consumption	10 watts

OUTPUT

Output voltage	230 volt AC – 200/220/230/240 user selectable
Voltage regulation	+/- 1% of nominal
Output Frequency	50 or 60 Hz, user selectable
Frequency regulation	+/- 0.5%
Efficiency	88-92% depending on load
Output Power	3000VA, 2700 Watts RMS, 230 Volts AC
Short term (2 mins)	3510 watts
Short term (10 secs)	5400 watts
Instantaneous	8,100 watts
Output receptacles:	Three 15 amp, 230 volt PurePower Gold L6-15 locking receptacles plus five Schuko gold plated receptacles or UK or Australia

PHYSICAL

Form factor	2 modules connected by fully shielded umbilical, side by side or top and bottom configuration
Regeneration module dimensions	42.5 x 42.5 x 13 cm
Weight – Regenerator module	16 Kg
PowerPack module dimensions	42.5 x 42.5 x 9 cm
PowerPack module weight	14 Kg
PowerPack battery configuration	Six 12 volt High Power Lithium Iron Phosphate (LiFePo4) batteries provide 720 watt hour capacity and 2 thousand cycle life. Will allow up to 40 minutes off grid operation at 50% power. Battery life of 10 years or more.
INTERNAL CONSTRUCTION:	Silver plated aerospace spec internal wiring. Star configuration grounding of all input and output receptacles through solid oxygen free copper ground bus.

Manual control	Basic manual control through LED front panel display with on/off/display and mode programming buttons.
Remote control	Removable Android WIFI controller with PurePower control app providing all on/off/mode controls, programmed control of output receptacles, output waveform analysis of voltage and current, historic analysis of utility electrical events with 5" interactive color screen. Internet communication offers factory diagnostic support. The remote is charged automatically by a wireless charger when placed in its cradle.

OPTIONAL ACCESSORIES

Gold Power Distribution Bar	PurePower Gold Bar Power distribution module with 6 modular local receptacles to suit customer source component requirements. Available in US NEMA, Australia, China, UK, Schuko and other country specific types. May be custom mixed in a 6 receptacle module. Connects to PurePower Gold output receptacle via 100% shielded PurePower MonoLock cable.
Additional Lithium Power Packs	PurePower Gold Lithium PowerPacks may be daisy chained to increase total off grid listening time . Each PowerPack adds 720 Watt Hours of power more than doubling the run time of the base unit.
PurePower MonoLock AC power cables	Double shielded PurePower 10 gauge silver conductor cables with gold plated L6-15 plugs mate with the PurePower Gold output locking receptacles for high power components.
PurePower source component AC power cables	Light gauge double shielded AC cables are highly recommended to maintain the integrity of the complete AC power network EMI and RFI isolation. They are available in all local plug styles with IEC C13 or C19 connectors.

ENVIRONMENTAL AND SAFETY

Safety Markings	CE
EMC monitors	FCC Class B and VCCI Class II
Ambient operating temperature	32 - 90• F (0 - 32•C)
Audible noise	<10 Decibel
Relative humidity	0 to 90% non-condensing
Diagnostics	Full system self-test on power up, user selectable diagnostics at any time through front panel controls or remote control Android app. Factory remote diagnostics via WiFi internet.