



PRODUCT SPECIFICATION GUIDE FOR THE BIOCHARGER

OPERATIONAL	SPECIFICATIONS	BENEFITS
Energies Provided	Photo bio-modulation, Voltage, Frequencies & Harmonics, and Pulsed Electro-Magnetic Fields (PEMFs)	The BioCharger is only Health Optimization Platform that simultaneous & wireless transmission of four unique energies found in nature (that most of us lack) that are proven to be vital to your health and wellness
Software Design	Software-based and controlled including my-Cloud infrastructure for updates, configuration, and access to the Recipe library.	Simple, versatile, repeatable, and effective. Operate from LCD, smart device, or laptop to access above site data center. Eliminates obsolescence through updates and constant expansion of Recipe library.
Programmable Sequences	Recipes* are energy and frequency programs designed to support recovery from specific desired health & wellness challenges and/or to support improved performance objectives.	myCloud hosts a library of 1100+ unique Recipes and an intuitive search and filter feature that allows the user to select the recipe that best supports their desired health and wellness outcome.
Display	Built-in 4" TFT LCD Display or can be operated remotely via smartphone/tablet/laptop	Provides for standalone or remote operation displays, users, progress, settings, recipes, favorites and prompts for updates
Frequency Spectrum	7 hertz-1 Gigahertz and beyond to visible light	Broadest frequency range of any Health Optimization Platform
Frequency Range – Pulsed Modulation	We modulate 217kHz carrier with frequencies ranging from 5Hz to 50kHz	Software generated pulse width modulated signal, provides precision control of pulsed frequencies, producing various harmonics changes as the pulsed frequency changes, producing more harmonics over time in the sweep mode
Variable Magnetic Fields	Pulse up to 50,000 hertz while sweeping through ranges on command with the use of BioCharger recipes.	By controlling the length of time between on and off cycles, the BioCharger can precisely target for specific outcomes.
Carrier Wave	217 kHz	A lower carrier frequency results in lower harmonics and frequencies
Voltage Input	120V AC 60Hz, 240V AC 50Hz	Single standard 110V AC outlet required for use
Current	A standard 110-Volt/15-Amp electrical outlet with a verified working earth ground is required. At full power, your BioCharger NG can draw up to 1100W. International specs: 120V/240V 1100 Watts	More energy in the output, which translates into higher voltage and more harmonics
Gas Plasma Tubes (Photo Modulations)	Simultaneously energizes the 12 plasma tubes (2 ea. of 6 noble & inert element gases) that produces in excess of 1000 different wavelengths in the infrared, far infrared, and visible light spectrum.	BioCharger utilizes 6 element gases to create a wider range of light frequencies than other light therapies, which provide exceptional benefits for our health and wellness. This wireless method of energizing the tubes replicates the same processes found in nature.
Toroidal Design	Polished aluminum Toroid stores and distributes electric fields in a 360° radius	These high voltage electric fields improve cellular function by enabling better uptake of nutrients and elimination of toxicity. The Toroid provides an even distribution of voltage energy to all users simultaneously.
Variable Corona Discharge	The polished brass arc rod will vary the corona discharge without reducing the voltage transmitted while simultaneously generating a safe amount of Ozone.	Provides visual and audio validation of the voltage and frequencies emitted. The Ozone produced is healthy and cleansing. Note: Arc rod can be removed to reduce noise or an approved baffle can be used to reduce sound by 50%.
Voltage Output Range	Software & digitally controlled voltage range of 0-600,000+ volts	Safe and precise variable voltage control provides wider range of recipe configurations
Audio Modulation Hardware	Future software releases will convert streaming/optical input of digital music and/or sounds to frequency, harmonics, and electrostatic energy produced music/sounds.	Sound & music can be streamed in, and used to generate the pulsed harmonics formed by electrostatic energy discharge. The resulting frequencies created can be beneficial to health and wellness.

DATA & CONNECTIVITY	SPECIFICATIONS	BENEFITS
Port	Ethernet RJ-45 and USB port standard	Ethernet and USB WiFi: USB WiFi can be setup to connect to local home network (limited range) or as an access point for setup and configuration, typically either local WiFi or ethernet (preferred) is used
WiFi Capability	WiFi enabled and configurable	Creates its own WiFi access point and/or connects to existing Wifi for connectivity to myCloud, 2.4 & 5 gigahertz support
Secure Data Center Access	"myCloud" is a secure "above site" data center for BioCharger customers/users via Internet	Unprecedented cloud based solution for software updates, recipe management and download, configuration and user usage data
Security and User Access	Multi-level security and authentication	myCloud is an SSL secured web site with backend and BioCharger service secret key HMAC authentication for data/configuration changing requests, and for BioCharger usage, it is assumed that BioCharger is on secure network for access via web browser connected to same local network

DIMENSIONS	SPECIFICATIONS	BENEFITS
BioCharger NG Platform	28" H x 18" W x 24" D	Safe, lightweight, modular design
Total Weight	Approximately 68 lbs.	Movable without disassembly
Base Only	10" H x 18.5" W x 24" D	Access main components for easy service exchange
Top Section Only	18" H x 14" Diameter	Provides shielding without distorting light from plasma tubes
Enclosure Materials	High Density Polyethylene (HDPE) V rated plastic	Non-flammable

SAFETY/QUALITY	SPECIFICATIONS	BENEFITS
Progress or Status when in operation	Graphical recipe/phase progress indicator displayed on LCD and/or smart device	All connected devices show status and progress of device
Indicator or Warning Lights	LEDs indicating proper function of various sub-systems	All connected devices show status and progress of device; indicator icons that automatically displays on LCD
Motion based power shut down	Built in safety "tip-over switch"	Shuts off power in the event of accidental or sudden movement
Emergency Power Shut-off	Red push button to disconnect power; easily reset	Visible & accessible "STOP" button w/ ON/OFF switch positions, emergency button is 'push to shut off' and 'twist to restore'
Manufacturer Location	Made in the US in San Marcos, TX	Fully automated systems and manufacturing facility to ensure quality, consistency, precision and scalability; a single source for sub-system manufacturing, product assembly, testing, documentation, configuration, packing, and shipping
Product Certification	UL approved components and materials	As required
Manufacturing Certification	ISO 9001- 2015, RoHS compliant, focus on sustainability and recycling	Ensures the highest safety and quality standards are maintained
Patent Info	19 US and international patents issued	Assurance that the BioCharger has undergone rigorous testing and quality control to ensure its safety and effectiveness.

WARRANTY AND SERVICEABILITY	SPECIFICATIONS	BENEFITS
Design Characteristics	Modular software and solid state hardware platform.	Intelligent design to simplify field service and software updates
Warranty Period	1 Year – Includes parts, software, updates and technical support	With an Internet connection, remote diagnostics can identify and correct most software related issues, and pinpoint any potential hardware issues
Field Installation and Service	Field technicians are available through our national service network (USA and Canada only)	Although the BioCharger NG is easy to set up and connect to your Wifi, there are times when it is beneficial to have a trained technician on site
Reliability & Performance	Each unit is registered, tested, configured at factory w/ final QC performed prior to shipping	No recalibration or tuning required. Software updates are downloaded; enabling continuous improvements and eliminating obsolescence