Project Specifications

Revo Stationary Bike with “Generciser” Technology

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Team 12
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Project for Entrepreneurial Senior Design

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Technical Specifications:

Physical: Aluminun, Steel, Hard Plastic
Light, Strong Materials

Mechanical:
Size: 4.0 x 7.0 x 2.0 feet (H x L x W)
Weight: 70-150 Pounds
(Enough weight to remain stable)
Speed: Multispeed (30 RPM-140 RPM)
Resistance: Variable Resistance through gearing or magnets
Power: Generated Powered / Rechargeable Battery

Electrical: (tentative)
Maximum Input Voltage: 12V Battery (DC)
Maximum Input Current:
Maximum Output Voltage: AC (dependent on users work)
Maximum Output Current:
Sampling Rate:
Battery Life: Rechargeable

Environmental:
Storage Temperature: -20 – 150 °F
Operating Temperature: 30 – 110 °F
Operating Environmental: Indoors, not too humid

Software:
User Interfaces: Head unit control panel
Hardware Interfaces: Head unit display board
Communication Protocols: iPod adapter
Features: Multiple Programs
Displaying all digital outputs
iPod adapter

Safety:
Use bike straps when pedaling
Warning and disclaimer notices on head unit display (If feeling dizzy or lightheaded stop workout immediately)

Maintenance:
Use sanitizer after each workout
Maintenance checkups annually