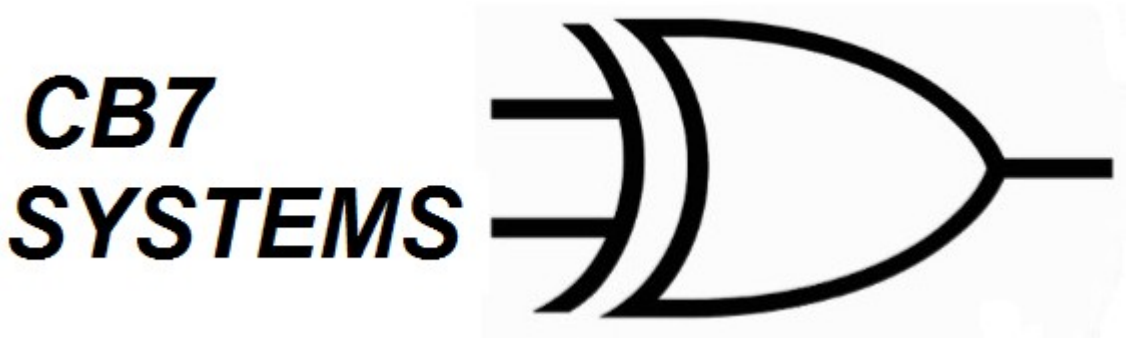
200011
CBL
Electronic Load System
Specifications



CB7 Systems LLC

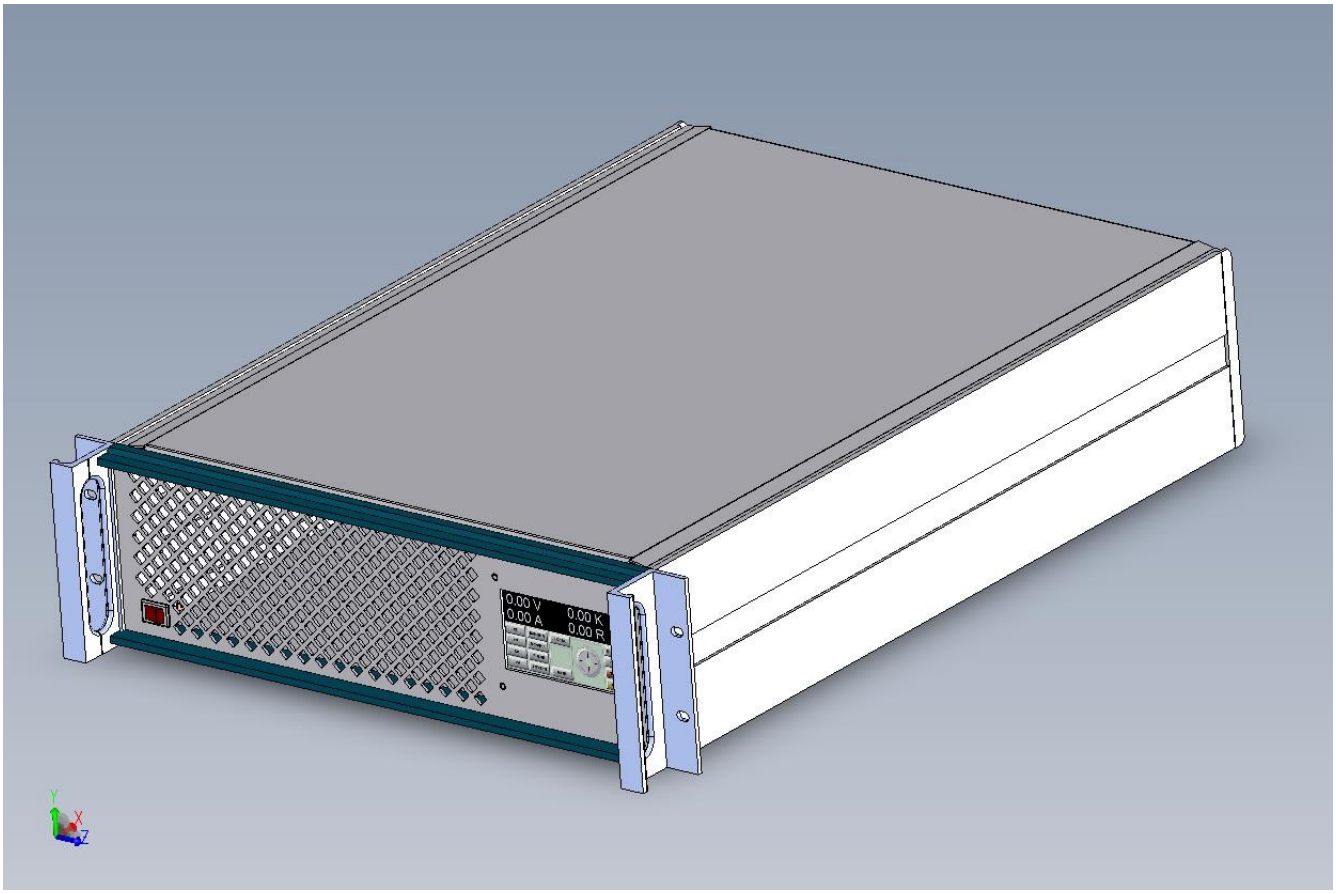
Disclaimer
The contents of this document, including all specifications, are subject to change without notice.

200011 Technical Data:

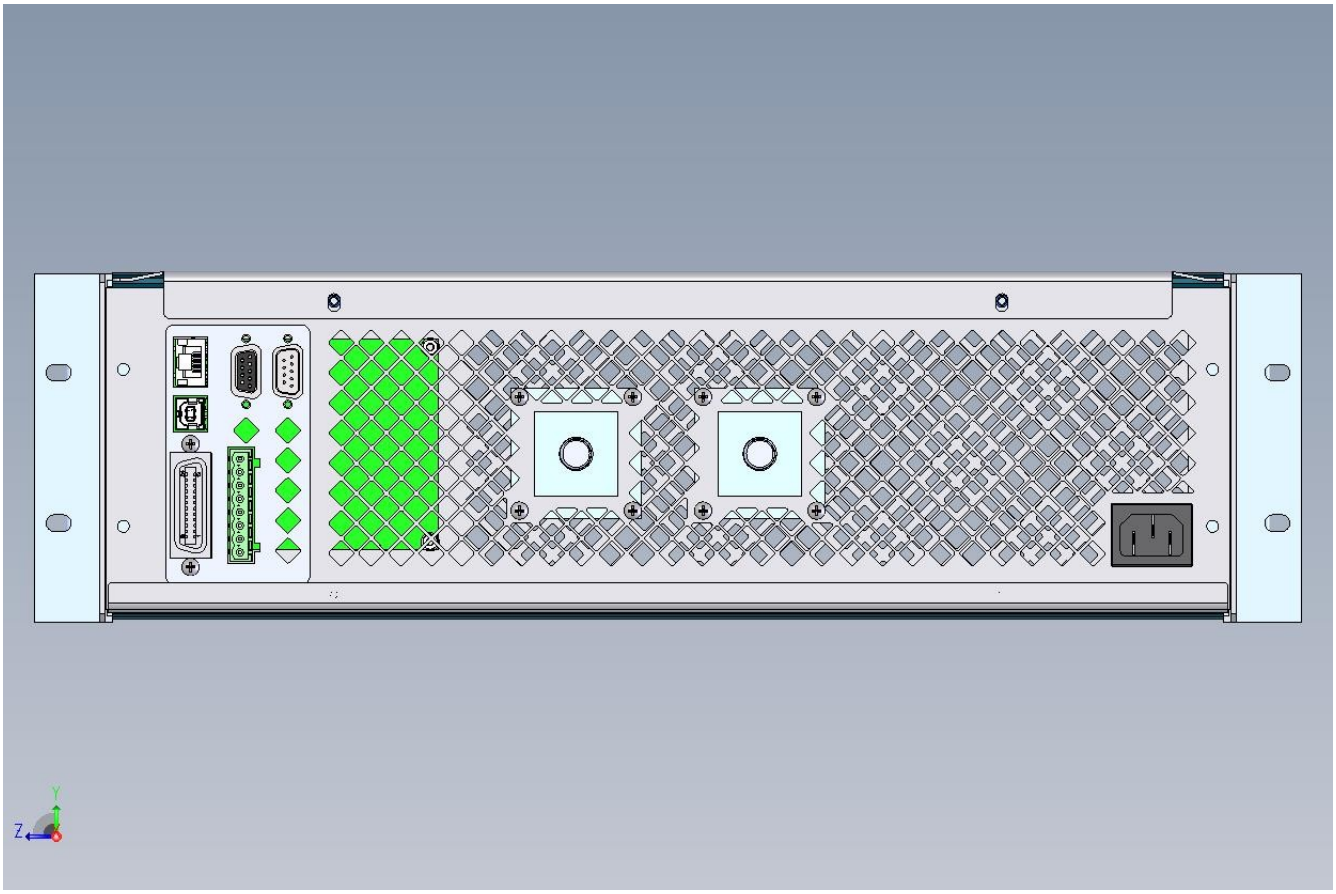
Size (nominal):	19in x 5in x 25in (3U rack mount)
Nominal Rating:	3000 WATT 50, 100, 400, 500 VDC 500 ADC
Operation Modes:	CI - Constant Current CR - Constant Resistance CP - Constant Power CV - Constant Voltage Pulsed Current, Resistance, Power, Voltage External Drive CI, CR, CP, CV Capacitance (exponential current decay) Simulation Inductance (exponentail current rise) Simulation Time Shifted CR, CP, & CV Response
Waveforms:	Sine Square Triangle Ramp Exponential Rise Exponential Decay Maximum Frequency 5KHz Variable Duty Cycle
Slew Rate:	Variable down to 10 usec full scale slew (50 A/usec) Independent control of rise and fall time
Measurement:	Voltage, Current, Power, Resistance 16 bit resolution
Current Ranges:	500 250 25 2.5 ADC
Voltage Ranges:	500 250 25 VDC
Power Ranges:	3000 900 300 W

Protection:	Over Current Over Power Temperature Short Circuit Transistor Failure
Parallel Operation:	CI CR CP CV 25 units maximum
Special Features:	Voltage selectable CR to CI or CP transition Programmable Under Voltage On / Off Control Externally Triggered Short Circuit Function
External Monitor:	Separate 0-10VDC Voltage and Current Sample Outputs
Other:	Variable speed fans with low drift operation mode Complete system disconnect via internal relays 25KHz CI External Drive Bandwidth All power stages protected and fused
Communication:	GPIB / IEEE 488 Ethernet 100BaseT USB 2.0 RS232 CANbus
Protocols:	HTTP (internal web page) TCP Sockets (LXI compliant) Telnet J1939 Modbus TCP SNMP LabView

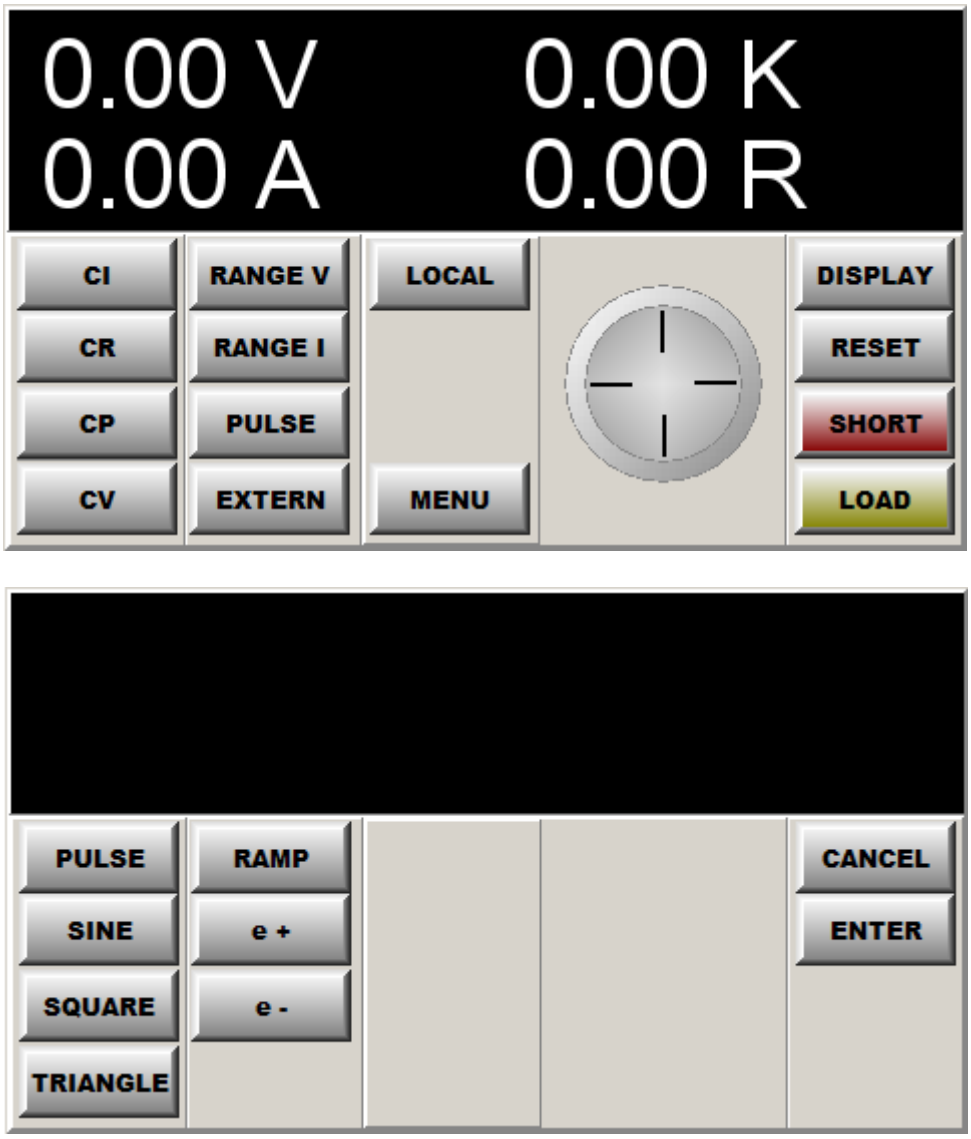
CBL Assembly Front

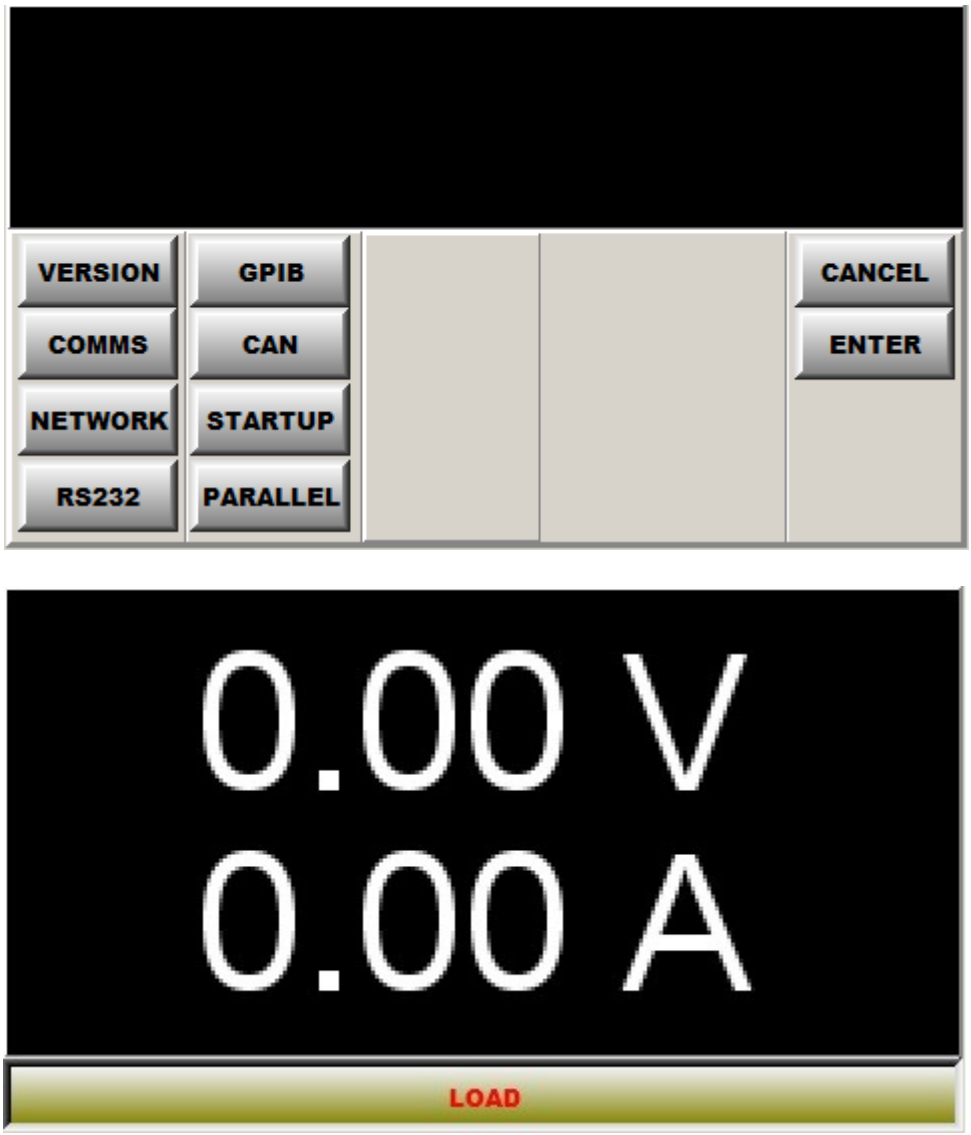


CBL Assembly Rear



CBL Touch Screen Interface




VERSION
GPIB
CANCEL
COMMS
CAN
ENTER
NETWORK
STARTUP
RS232
PARALLEL
0.00 V
0.00 A
LOAD

CBL ASCII Commands

TBD