

Programmable DC Power Supplies 750W/1500W in 1U Built in RS232 & RS485 Interface GPIB (IEEE488/488.2 SCPI) optional.





*The Genesys*TM family of programmable power supplies sets a new standard for flexible, reliable, AC/DC power systems in OEM, Industrial and Laboratory applications.

Features include:

- Highest Power Density available 1500W in 1U
- Wide Range Input 85 265Vac Continuous, single phase, 47/63Hz
- Active Power Factor Correction 0.99
- Output up to 600V, Current up to 200A
- Built in RS232/RS485 Interface
- Software Calibration
- Last Setting Memory
- High Resolution 16 bits ADCs & DACs
- Reliable Encoders for Voltage and Current Adjustment
- Constant Voltage/Constant Current auto crossover
- Parallel Operation with Active Current Sharing
- Independent Remote ON/OFF and Remote Enable/Disable
- External Analog Programming and Monitoring
- Reliable Modular and SMT Design
- 19" Rack Mounted ATE and OEM applications
- Five Year Warranty
- Optional Isolated Analog Programming and Monitoring
- Optional GPIB (SCPI) Interface
- LabView® drivers (LabView® is registered trademark of National Instruments Corporation)

Worldwide Safety Agency Approvals CE Mark for LVD and EMC Regulation



Applications

Genesys[™] power supplies have been designed to meet the demands of a wide variety of applications.

Test and Measurement

Last setting memory simplifies test design and requires no battery backup. Built in RS232/RS485 gives maximum system flexibility along with 0-5V and 0-10V, selectable analog programming Wide range of available inputs allows testing of many different devices.

Semiconductor Burn-in

Safe Start may be enabled to restart at zero output to protect load.

Wide range input (85-265VAC) with Active Power Factor correction rides through input transients easily.

Component Test

High power density, zero stacking and single wire parallel operation give maximum system flexibility

Laser Diode

OVP is directly set on Voltage Meter, assuring accurate protection settings.

Current Limit Fold Back assures load is protected from current surges.

Heater Supplies

Smooth, reliable encoders enhance front panel control. Remote analog programming is user selectable 0-5V or 0-10V.

RF Amplifiers and Magnets

Robust design assures stable operation under a wide variety of loads. Excellent linearity in voltage and current mode.

1 Genesys[™] 750W/1500W-1U

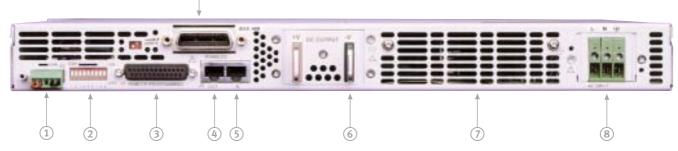
Front Panel Description



- 1. AC On/Off
- 2. Air Intake allows zero stacking for maximum system flexibility and power density
- 3. Reliable encoder controls Output Voltage and sets Address.
- 4. Volt Meter shows Output Voltage and directly displays OVP, UVL and Address settings.
- 5. Amp Meter also displays baud rate.
- 6. Reliable encoder controls Output Current and sets baud rate.
- 7. Function/Status LED's
 - Alarm
 Foldback Mode
 - Fine Control
- Remote Mode
- Preview Settings
 Output On
- 8. Pushbuttons allow flexible user configuration

Coarse and Fine Voltage and Current Adjustment of Output Preview Settings and Set Voltage while in Current Mode or with Output OFF Set OVP and UVL Limits Set Current Foldback Local/Remote Mode and select Address and Baud Rate Output ON/OFF and Auto Start/Safe Start Mode

Rear Panel Description



- 1. Remote/Local Output Voltage Sense Connections
- 2. DIP Switches select 0-5V or 0-10V Programming and other functions.
- 3. DB25 (Female) connector allows (Non-isolated) Analog Program and Monitor as well as other functions.
- 4. RS485 Out to other Genesys Power Supplies
- 5. RS232/RS485 IN Remote Serial Programming
- 6. Output Terminals are rugged bus bars for 6-60V Output, higher output voltage models have terminal block connector.
- 7. Exit air assures reliable operation when zero stacked
- 8. Wide-Range Input 85-265VAC continuous, 47/63Hz with Active Power Factor Correction (0.99) AC Input Connector 750W: IEC320, 1500W: Screw terminal Model Shown
- 9. Position for Optional Isolated Analog Programming or GPIB Digital Interface model shown



Genesvs ™ 750W/1500W Specifications

10 MODEL 0EN 6.200 81-80 12.5-120 20-50 30-50 20-50 150-100 500-50 600-60 2.Raid Output Current(2) A 200 180 120 76 50 38 25 150 <th>750W</th> <th>750W</th> <th>W 15</th> <th>1500V</th>	750W	750W	W 15	1500V
2 Abstact Outpor Control A 200 180 190 190 190 190 190 190 190 190 190 190 190 190 190 190 190 190 190 190 1900 18000 1800 1800 1		10011		Х
Stand Organ Power W 1200 1400 1500				Х
Efficiency of 100/20004e (*)3 15 77.80 78.81 87.88 8.488 8				Х
19 MODEL CEU 4 - 100 8 - 10 - 12 - 549 20 - 39				X
Renet organ voltage (*1) V 6 8 125 20 30 40 60 80 75 5 25 13 Acted Organ Down W 600 700 760	X	<u> </u>		Х
ZABACH Ougue Current (2) A 100 90 00 38 25 19 12.5 7.5 7.50 7.50 7.80 8.80 8.80	Х			
Shate Outpot Power W 800 700 780 80 <td>X</td> <td></td> <td></td> <td></td>	X			
1 CONSTANT YOLTAGE MODE 1 <td><u>x</u></td> <td></td> <td></td> <td></td>	<u>x</u>			
Likacking angulation (2011% of Vo-2mV) (Y0 mV 2.6 2.8 3.3 4 5 6 8 10 12 17 32 62 Skripps and Alex mV 60 60 60 60 60 80 60 80 80 80 100 125 300 Skripps and Alex mV 60 60 60 80 60 80 80 90 100 125 300 Skripps and Alex mAlex model model 80 80 90 100 100 100 120 120 20 200 400 Skripps and Alex mAlex 10 50 <td>X</td> <td><u> x </u></td> <td></td> <td></td>	X	<u> x </u>		
2 Max bear pagalation (0.01% of Ve-2mV (VS) mV 2.6 2.8 3.3 4 5 6 8 10 112 17 32 62 63 90 60 100 120 50 50 50 60 100 <				
3. Replet and noise p. 20MHz mV 60 00 60 70 <	X			X
Akpige rms 5Hz-1MHz mV 8	X X			X
5 Rendo service compensation/ine V 1 <	x			X
6. Temp. constrained IPPM/C 100PPM/C from rated output voltage, following 30 minutes warm up	x			x
TUp-progression regions etime, 0-formax mS 800m, Progression regions etime (1-bit of the status) 100 500 900 100 1500 2000	x			x
0.20xm-progrespices time no-band mS 500 600 700 800 900 1100 1200 2000	X			X
10. Tanisati response time (19) Less than 1mSace for models up to and including 100V. Zreate for models above 100V 2. Colspan="2">2. Colspan="2 1. Max. Inter equation (0.01% of los-MA/(*6) mA 15 14 18.8 75 5.8 5.5	Х			Х
2 CONSTANT CUPRENT MODE 11 8 5.8 4.5 3.9 2.25 2.95 2.55 2.55 2.55 2.55 2.55 2.55 5.55	Х			Х
Index. iner egulation (0.01% of low 2mA)("c) mA 12 11 8 5.8 4.5 3.9 3.28 2.28 2.75 5.8 2.25 5.5	X	X		Х
2. Max.kaod regulation (0.01% of los-2mA)(*0) mA 15 14 11 8.8 7.5 6.3 6.28 5.28 5.73 5.8 5.25 5.13 Alkac.iond regulation (0.01% of los-2mA)(*0) mA 2				
3 Altgole rm, 5 Hz-1MHz, (7) mA 200 180 120 76 63 48 38 28 2 <td>X</td> <td>X</td> <td></td> <td></td>	X	X		
1.Mac. Interregulation (0.01% of loss 2mA)(*a) mA 2	х			
2.Mac. Jone 100, 001 (no. 001 (no. 001, 001, 001, 001, 001, 001, 001, 001	Х	x		
3 Altopic m.s 5Hez-LMHz. (7) mA 400 360 240 152 125 95 75 75 45 35 25 12 A Hemp. cefficient PPM/C 100PPM/C Tom rated output votage, following 30 minutes warm up 37 45 35 25 12 A Hemp. cefficient PPM/C 100PPM/C 0 100P 10 10 100P 0 100P 0 100P 0 10				X
4.Tamp. coefficient PPM/C1 100PPW/C from rated output voltage,following 30 minutes warm up Image: Control output static draw mean game supply change from CV to CC. User selectable. Image: Control output static draw mean game supply change from CV to CC. User selectable. Image: Control output static draw mean game supply change from CV to CC. User selectable. Image: Control output static draw mean game supply change from CV to CC. User selectable. Image: Control output static draw mean game supply change from CV to CC. User selectable. Image: Control output static draw mean game supply change from CV to CC. User selectable. Image: Control output static draw mean game supply change from CV to CC. User selectable. Image: Control output static draw mean game supply change from CV to CC. User selectable for CV to CC. Image: Control output static draw mean game supply change from CV to CC. User selectable for control output static draw mean game select. Accuracy and linearity ++1 % of related Vout. Image: Control output static draw mean game select. Accuracy and linearity ++1 % of related Vout. Image: Control output static draw from control control (CV int CC). Image: Control output static draw from control output static draw f		+		<u>X</u>
3 PROTECTIVE FUNCTIONS 0-105% Constant Current 1. OCP 0-105% Constant Current 3. OVP type Divide shut down when power supply chain to CV to CC. User selectable. 3. OVP type Inverter shut down when power supply chain to CV to CC. User selectable. 3. OVP type Inverter shut down when power supply chain to CV to CC. User selectable. 3. OVP type chain User selectable. 4. ANL CS PROGRAMMING AND MONITORING Chain to CV to C. User select. Accuracy and linearity++10.5% of rated Yout. 1. Yout Votage Programming 0-100%, 0-5V or 0-10V, user select. Accuracy and linearity++10.5% of rated Yout. 1. Yout Votage Programming 0-100%, 0-5V or 0-10V, user select. Accuracy and linearity++10.5% of rated Yout. 3. Yout Resistor Programming 0-100%, 0-5V or 0-10V, user select. Accuracy and linearity++10.5% of rated Yout. 4. Our Resistor Programming 0-100%, 0-5V or 0-10V, user select. Accuracy and linearity++10.5% of rated Yout. 5. Over Control (rear panel) By detrical. Yotage Programming 6. Output Cirent montor 0-5V or 0-10V, accuracy+1%, user selectable 7. Output Vottage montor 0-5V or 0-10V, accuracy+1%, user selectable 9. OV/CC unclastor CV: Th. thgh (4-5V) source: 10m Accuracy and linearity+-15% of rated Yout. 10. Enable/Disable <td></td> <td></td> <td></td> <td><u>X</u></td>				<u>X</u>
1. OCP IO-105% Constant Current IO-105% Constant Current 2. OCP Foldback Ouput shuld wow when power supply change from CV to CC. User selectable. IO-105% Constant Current IO-105% Constant Current IO-10% Current I/O-10% Curren	x	_		Х
2. OCP Foldback Output shut down when power supply change from CV to CC. User selectable. Image: Control of	~		1	
3. OVP type Inverter shut-down, manual reset by AC input recycle or VD UT button 4. OVP tip point 0.5.7.5% (20.5.10V) 1.15% (1.2.4V) [5.96V] (5.94V) [5.9.30V] (5.9.60V] 5. Over Impo, Protection User selectable, latched or non latched 4 ANALOG PROGRAMMING AND MONITORING -100%, 0.5% or 0.10V, user select. Accuracy and linearity.+/.5% of rated Vout. 3. OVE National Programming 0-100%, 0.5% or 0.10V, user select. Accuracy and linearity.+/.7% of rated Vout. 4. Jour Resider Programming 0-100%, 0.5% or 0.10V, user select. Accuracy and linearity.+/.7% of rated Vout. 4. Jour Resider Programming 0-100%, 0.5% or 0.10V, user selectable. Accuracy and linearity.+/.7% of rated Vout. 4. Jour Resider Programming 0-100%, 0.5% or 0.10V, accuracy.1%, user selectable 6. Output Current monitor 0-5% or 0.10V, accuracy.1%, user selectable 0. Output Valtage monitor 0-5% or 0.10V, accuracy.1%, user selectable 0. Curbust Valtage monitor 0-5% or 0.10V, accuracy.1%, user selectable 0. Curbust Valtage monitor 0.5% or 0.10W accuracy.1% user selectable 1. Control functions Vev/I out manual adjust by separate encoders 1. Control functions Vev/I out manual adjust by separate encoders 2. Ologiely Voltage. Current, Alam, Fine, Preview, Foldback, Local, Output on	<u>x</u>			<u>X</u>
4. OVP trip point 0.5-7.5V[0.5-10V] 1-15V 12-44V 5-68V 5-188V 5-188V <td>X X</td> <td></td> <td></td> <td><u>х</u> х</td>	X X			<u>х</u> х
S. Over Terring. Protection User selectable , latched or non latched Image: Control interval and	x			x
4 ANALOG PROGRAMMING AND MONITORING 0-100%, 0-50 vr 0-10V, user select. Accuracy and linearity.+4-0.5% of rated lout. 1 1.Vout Voltage Programming 0-100%, 0-50 vr 0-10V, user select. Accuracy and linearity.+4-15% of rated lout. 1 3.Vout Resistor Programming 0-100%, 0-50 vr 0-10V, user select. Accuracy and linearity.+4-15% of rated lout. 1 3.Vout Resistor Programming 0-100%, 0-50 vr 0-10V, user select. Accuracy and linearity.+4-15% of rated lout. 1 5.On/OT control (rear panel) By electrical. Voltage: 0-0.6V/2-15%, user selectable logic 0 0Upt Current monitor 0-50 vr 0-10V, accuracy.1%, user selectable 1 7.Output Voltage monitor 0-5V or 0-10V, accuracy.1%, user selectable 1 9.CV/CC indicator CV, TTL ligh (4-5V) source: 10mA, CC: TTL low (0-0.4V):10mA 1 10. Enable/Disable DY ov/U/ Out manual adjust by volt. Adjust encoder. No 1-400 voltage is Enable/Disable in: 6V 1 10. Control functions Vout/ Lout manual adjust by volt. Adjust encoder. No 1-400 valuet. 2 2. Display Voltage. Current. Alarm. Fine, Prever. Foldback, Location JUP witch Bad rate selection. 1V outgat of current adjust encoder. No 1-400 valuet. 3. Indications Voltage. Current. Alarm. Fine, Preverw. Foldback, Location on 150 300 600	x			x
1.Vout Voltage Programming 0 - 100%, 0 - 50 vr 0 - 10V, user select. Accuracy and linearity.+/-0.5% of rated Vout. 1 2. Jou Voltage Programming 0 - 100%, 0 - 57 07 c-10V, user select. Accuracy and linearity.+/-15% of rated lout. 1 3. Vout Resistor Programming 0 - 100%, 0 - 57 07 c-10V, user select. Accuracy and linearity.+/-15% of rated lout. 1 4. Our Resistor Programming 0 - 100%, 0 - 57 07 c-10V, accuracy -15V, or dry contact, user selectable logic 1 5. OnOff control (rear panel) By alloctrical. Voltage: 0 - 0.6V/2 - 15V, or dry contact, user selectable logic 1 6. Output Current monitor 0 - 50 vor 0 - 10V, accuracy.1%, user selectable 1 8. Power Supply OK signal SV-OK, 0V Fail 5000hm impedance 9 9. CVICC Indicator CV, TIL holf (-4SV) boures. 100M, CC: TTL low (0 - 0.4V): 10mA 1 10. Enable/Disable Dry contact. Openroff . Short: on. Max. voltage at Enable/Disable in: 6V 1 5. FRONT PANEL 1 1 1 1 10. Enable/Disable Volt/ Jour manual adjust by volt. Adjust encoder 1 2 10. Stable/Disable Volt/ Bale 2 2 0 1 3 10. Stable/Disable Volt/ A	_^	_^		~
2.lout Voltage Programming 0-100%, 0-59 V or 0-10V, user select. Accuracy and linearityr/1% of rated Vout. 1 4.lout Resistor Programming 0-100%, 0-57 00 Kohm full scale.user select. Accuracy and linearityr/1% of rated Vout. 1 5.OuPd coursel (rear panel) By electrical. Voltage: 0-06 V/2-15V of voltage vanel linearityr/1% of rated Vout. 1 6.Oupd current monitor 0-5V or 0-10V, accuracy:1%, user selectable logic 1 7.Output Voltage monitor 0-5V or 0-10V, accuracy:1%, user selectable 1 8.Over Supply OK signal 5V-OK (0V-Fail 900 km impediations 1 9. CVICC Indicator CV: TTL high (4-5V) source: 10mA, CC: TTL low (0-0.4V):10mA 1 10. Enable/Disable Dry contact. Opencidi, Rotit: cn. Max. voltage at Enable/Disable in: 6V 1 5. FROM FANEL 1 1. Control functions Vout/ lout manual adjust by separate encoders (coarse and fine adjustment selectable) 1 1. Control functions Vout/ lout manual adjust by Voltage (or current) adjust encoder. No of addresses:31 RE323/48 and IEEE-Mable As selection by 0.01 addresses:31 1 1. Stable/Disable Voltage Current, Alarm, Fine, Preview, Foltback, Local, Output Or. 1 1 2. Display Voltage Current, Alarm, Fine, Preview, Foltback, Loc	x	_		x
3. Yout Resistor Programming 0-100%, 0-5/10 Kohm full scale user select. Accuracy and linearity.+/1.% of rated Yout. 40. Hour Resistor Programming 0-100%, 0-5/10 Kohm full scale user select. Accuracy and linearity.+/1.% of rated Yout. 5. On/Oft control (rear panel) By electrical. Voltage: 0-0.6%/2-15% of dry contact, user selectable logic 6. Output Circums rates of rated Yout. 6. Output Circums rates rates of rated Yout. 6. Output Circums rates rat	x			x
4.lout Resistor Programming 0-100%, 0-5/10Kohm full scale_user select.Acuracy and linearity-×/1.5% of rated lout. 5 5.Om/Cf control (rear panel) By electrical. Voltage: 0-0.80/2-15Kvor dry contact, user selectable logic 5 6.Output Current monitor 0-5V or 0-10V, accuracy.1%, user selectable 5 7.Output Voltage monitor 0-5V or 0-10V, accuracy.1%, user selectable 5 9.CVICC Indicator CV: TTL high (4-5V) source: 10mA, CC: TTL low (0-0.4V):10mA 5 9.CVICC Indicator CV: TTL high (4-5V) source: 10mA, CC: TTL low (0-0.4V):10mA 5 10. Enable/Disable Dry contact. Open-(10, Short cn. Max. voltage at Enable/Disable in: 6V 5 7.Output functions Vout/ but manual adjust by Volt. Adjust encoder Ac onioff. Output on/off. Re-start modes (auo, sel). Foldback control (CV to CC), Go to local control 1.Control functions Voutput drift are selection 100,9600 and 19,200 bps 5 2.Display Voltage, Current, Jaarm, Fine, Preview, Foldback, Local. Output On 5 6.Interface RS232&RS485 or Optional GPIB Interface 7 Model V 8 12.5 20 30 40 60 80 100 150 300 600	x			x
5.0m/Off control (rear panel) By electrical. Voltage: 06.9/V2-15Vor dry contact, user selectable logic Image: Selectable logic 6.0uptu Current monitor 0-5V or 0-10V, accurracy: 1%, user selectable Image: Selectable Image: Selectable Image: Selectable logic 7.0utput Voltage monitor 0-5V or 0-10V, accurracy: 1%, user selectable Image: Selectab	X			X
7.Output Valiage monitor 0-5V or 0-10V. accurracy. 1% user selectable V B. Power Supply OK signal 5V-OK OV-Fail Subject 5V-OK	х			Х
B.Power Supply OK signal 5V-OK, 0V-Fail 5000hm impedance VICE	Х	Х		Х
9. CV/CC indicator CV: TL lugh (4-SV) source: 10mA, CC: TL lugh (0-0.4V):10mA Image: 10mA, CC: TL lugh (0-0.4V):10mA Image: 10mA, CC: TL lugh (0-0.4V):10mA 10. Enable/Disable Dry contact. Open:off, Short: on. Max. voltage at Enable/Disable in: 6V Image: 10mA, CC: TL lugh (0-0.4V):10mA 5.FRONT PANEL Image: 10mA, CC: TL lugh (0-0.4V):10mA Image: 10mA, CC: TL lugh (0-0.4V):10mA Image: 10mA, CC: TL lugh (0-0.4V):10mA 1. Control functions Vout lout manual adjust by volt. Adjust encoder. No of addresses:31 Image: 10mA, CC: TL lugh (0-0.4V):10mA Image: 10mA, CC: TL lugh (0-0.4V):10mA 2. Display Voltage (0 current) adjust encoder. No of addresses:31 Image: 10mA, CC: VI, CC: CO: Go to local control Image: 10mA, CC: VI, CC: V	х			Х
10. Enable/Disable Dry contact. Open.off , Short: on. Max. voltage at Enable/Disable in: 6V 5. FROMT PANEL	X			X
5 FRONT PANEL Vout/ lout manual adjust by separate encoders (coarse and fine adjustment selectable) Vout/ lout manual adjust by separate encoders (coarse and fine adjustment selectable) 1. Control functions Vout/ lout manual adjust by volta. Adjust encoder Address selectable by Volta. Adjust encoder. No of addresses:31 Rs232/485 addresses:31 Rs23/485 addresseses:31 Rs23/485 addresses:31	<u>x</u>			<u>X</u>
1.Control functions Vout/ lout manual adjust by separate encoders (coarse and fine adjustment selectable) Vout/ DVL manual adjust by Volt. Adjust encoder AC on/off. Output on/off. Re-start modes (auxo, safe). Foldback control (CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 AC R5232/485 and IEEE44882 selection by UEEE enable switch and DIP switch Baud rate selection: 1200,2400,4800,9600 and 19,200 bps E 2.Display Voltage (a current) adjust, encoder, O. 5%+i-1 count E E 3.Indications Voltage, Current, Alarm, Fine, Preview, Foldback, Local, Output On E E 6.Interface RS232485 or Optional GPIB Interface V 6 8 12.5 20 30 40 60 80 100 150 300 600 Resolution (0.012% of Vomax) mV 6.72 9.6 1.2 18 36 72 Resolution (0.012% of Iomax) mV 6.0 8.0 1.25 20 30 40 60 80 100 150 300 600 Resolution (0.012% of Vomax) mV 6.0 8.0 1.2<	X	<u>x</u>		Х
OVPPUVL manual adjust by Volt. Adjust encoder Image: State Condit CV to CC). Go to local control Image: CV condit CV to CC). Go to local control Address selection by Voltage (arcurrent) adjust encoder. No of addresses:31 Image: CV cortront) adjust encoder. No of addresses:31 Image: CV condit CV to CC). Go to local control Image: CV condit CV to CC). Go to local control 2. Display Voltage 4 digits accuracy: 0.5%+/1 count Image: CV condit CV to CC). CO to Local CV to CC). CV condit CV condit CV condit CV condit CV to CC). CV condit CV condi CV condit CV condit CV condit CV condit CV condit				
AC on/off, Output on/off. Re-start modes (auto. safe), Foldback control (CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: Control (CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Voltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control Address selection by Veltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control (CV to CC), Go to local control Address selection by Veltage (or current) adjust encoder. No of addresses:31 Image: CV to CC), Go to local control (CV to CC), Go to local control (CV to CC), Go to local control (CU to C), Go to local control (CU to C), Go tonax (O to C), Go to local control (CV to C), Go ton	X			Х
Address selection by Voltage (or current) adjust encoder. No of addresses:31 Selection by IEEE enable switch and DIP switch Baud rate selection: 1200_2400.4800.9600 and 19.200 bps Selection: 1200_2400.4800.900 and 19.200 bps	X			Х
RS232/485 and IEEE 488.2 selection by IEEE enable switch and DIP switch Baud rate selection: 1200,2400,4800,9600 and 19,200 bps 2.Display Voltage 4 digits, accuracy: 0.5%+/-1 count Current 4 digits, accuracy: 0.5%+/-1 count Subscriptional GPIB Interface Model V 6 8 12.5 20 300 600 Remote Voltage Programming (16 bit) 7 Model V 6 8 12 18 300 600 Remote Voltage Programming (16 bit) 7 Remote Current Programming (16 bit) 7 Resolution (0.012% of Iomax) mA 12 18 300 600 Resolution (0.012% of Iomax) mA 12 18 300 600 Remote Voltage matheway 12	<u>x</u>			<u>X</u>
Baud rate selection: 1200,2400,4800,9600 and 19,200 bps I	X X			X
2.Display Voltage 4 digits, accuracy: 0.5%+/-1 count Image: Current 4 digits, accuracy: 0.5%+/-1 count 3.Indications Voltage, Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output, On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output, On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output, On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output, On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output, On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output, On Image: Current, Alarm, Fine, Preview, Foldback, Local, Output, On Image: Current, Alarm, Fine, Preview, Foldback, Current, Alarm, Fine, Preview, Foldback, Current, Current, Previous, Colos, Olos,	x			x
Current 4 digits, accuracy: 0.5%+/-1 count Securacy: 0.5%	x			X
Voltage, Current, Alarm, Fine, Preview, Foldback, Local, Output On G Interface RS232&RS485 or Optional GPIB Interface Model V 6 8 12.5 20 30 40 60 80 100 150 300 600 Remote Voltage Programming (16 bit) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Resolution (0.012% of Vomax) mV 0.72 0.96 1.2.5 20 30 40 60 80 100 150 300 600 Remote Current Programming (16 bit) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 0.16 Accuracy (0.05% of Iomax+0.05% of Io Actual Output) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 0.16 Resolution (0.012% of Iomax+0.05% of Io Actual Output) mA 12 10.8 7.2 4.56 3.0 2.28 1.80 1.20	x			x
6. Interface RS232&RS485 or Optional GPIB Interface 7. Model V 6 8 12.5 20 30 40 60 80 100 150 300 600 Remote Voltage Programming (16 bit) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.05% Vomax+0.05% of Vo Actual Output) mV 6.0 8.0 12.5 20 30 40 60 80 100 150 300 600 400 Resolution (0.012% of Iomax) mV 6.0 8.0 12.5 20 30 40 60 80 100 150 300 600 400 Resolution (0.012% of Iomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.32 4.26 4.56 3.0 2.28 1.80 1.20 0.60 0.32 4.20 1.20 1.60 <t< td=""><td>x</td><td></td><td></td><td>X</td></t<>	x			X
Model V 6 8 12.5 20 30 40 60 80 100 150 300 600 Remote Voltage Programming (16 bit) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.05% Vomax+0.05% of Vo Actual Output) mV 6.0 8.0 12.5 20 30 40 60 80 100 150 300 600 Remote Current Programming (16 bit) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 616 Accuracy (0.05% of lomax+0.05% of lo Actual Output) mA 10 9 6 3.8 2.5 1.9 1.25 0.95 0.75 0.5 0.25 0.13 Resolution (0.012% of lomax+0.05% of lo Actual Output) mA 20 18 12 7.6 5 3.8 2.5 1.9 1.50 1 0.5			1	
Remote Voltage Programming (16 bit) Resolution (0.012% of Vomax) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.05% Vomax+0.05% of Vo Actual Output) mV 6.0 8.0 12.5 20 30 40 60 80 100 150 300 600 Remote Current Programming (16 bit) mV 6.0 8.0 12.5 2.0 30 40 60 80 100 150 300 600 80 100 9 6 3.8 2.5 1.9 1.25 0.95 0.75 0.5 0.25 0.13 Resolution (0.012% of lomax+0.05% of lo Actual Output) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 0.32 Accuracy (0.05% of lomax+0.05% of lo Actual Output) mA 20 18 12 7.6 5 3.8 2.5 1.9				1500V
Resolution (0.012% of Vomax) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.05% Vomax+0.05% of Vo Actual Output) mV 6.0 8.0 12.5 20 30 40 60 80 100 150 300 600 Remote Current Programming (16 bit) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 0.16 Accuracy (0.05% of Iomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 0.16 Accuracy (0.05% of Iomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.20 0.60 0.30 0.13 Resolution (0.012% of Iomax) mA 20 18 12 7.6 5 3.8 2.5 1.9 1.50 1 0.5 0.26 0.32 Resolution (0.012% of Iomax) mV 0.72 0.96 1.50 2	x		+	Х
Accuracy (0.05% Vomax+0.05% of Vo Actual Output) mV 6.0 8.0 12.5 20 30 40 60 80 100 150 300 600 Remote Current Programming (16 bit) Resolution (0.012% of Iomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 0.16 Accuracy (0.05% of Iomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 0.16 Accuracy (0.05% of Iomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.05% of Iomax) mA 20 18 12 7.6 5 3.8 2.5 1.9 1.50 1 0.5 0.25 0.13 Resolution (0.012% of Vomax) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2	x	x	+	х
Remote Current Programming (16 bit) Resolution (0.012% of lomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 0.16 Accuracy (0.05% of lomax+0.05% of lo Actual Output) mA 10 9 6 3.8 2.5 1.9 1.25 0.95 0.75 0.5 0.25 0.13 Resolution (0.012% of lomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.05% of lomax+0.05% of lo Actual Output) mA 20 18 12 7.6 5 3.8 2.5 1.9 1.50 1 0.5 0.26 Readback Voltage Resolution (0.012% of Vomax) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.1% Vomax+0.1% of Vo Actual Output) mV 12 16 25 40 <th< td=""><td>x</td><td></td><td></td><td>x</td></th<>	x			x
Resolution (0.012% of Iomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.90 0.60 0.30 0.16 Accuracy (0.05% of Iomax+0.05% of Io Actual Output) mA 10 9 6 3.8 2.5 1.9 1.25 0.95 0.75 0.5 0.25 0.13 Resolution (0.012% of Iomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 0.46 Accuracy (0.05% of Iomax+0.05% of Io Actual Output) mA 20 18 12 7.6 5 3.8 2.5 1.9 1.50 1 0.5 0.26 Readback Voltage Resolution (0.012% of Vomax+0.1% of Vo Actual Output) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.1%Vomax+0.1% of Vo Actual Output) mV 12 16 25 40 60 80 <				~
Accuracy (0.05% of lomax+0.05% of lo Actual Output) mA 10 9 6 3.8 2.5 1.9 1.25 0.95 0.75 0.5 0.25 0.13 Resolution (0.012% of lomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.05% of lomax+0.05% of lo Actual Output) mA 20 18 12 7.6 5 3.8 2.5 1.9 1.50 1 0.5 0.26 Readback Voltage Resolution (0.012% of Vomax) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.1% of Vomax+0.1% of Vo Actual Output) mV 12 16 25 40 60 80 120 160 200 300 600 1200 120 Readback Current mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of Iomax+0.3% of Io Ac			+	
Resolution (0.012% of Iomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.05% of Iomax+0.05% of Io Actual Output) mA 20 18 12 7.6 5 3.8 2.5 1.9 1.50 1 0.5 0.26 Readback Voltage mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.1% Vomax+0.1% of Vo Actual Output) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.1% Vomax+0.1% of Vo Actual Output) mV 12 16 25 40 60 80 120 160 200 300 600 1200 72 Resolution (0.012% of Iomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of Iomax+0.3% of Io Actual Output) mA 24 <td>X</td> <td></td> <td></td> <td></td>	X			
Accuracy (0.05% of lomax+0.05% of lo Actual Output) mA 20 18 12 7.6 5 3.8 2.5 1.9 1.50 1 0.5 0.26 Readback Voltage Resolution (0.012% of Vomax) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.1% Vomax+0.1% of Vo Actual Output) mV 12 16 25 40 60 80 120 160 200 300 600 1200 1200 Readback Current Resolution (0.012% of Iomax+0.3% of Io Actual Output) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of Iomax+0.3% of Io Actual Output) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.1% of Iomax+0.3% of Io Actual Output) mA 800 720 480 304 200 152 100 76 60 40	x	_ <u>x</u>		
Readback Voltage mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.1% Vomax+0.1% of Vo Actual Output) mV 12 16 25 40 60 80 120 160 200 300 600 1200 Readback Current Resolution (0.012% of Iomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of Iomax + 0.3% of Io Actual Output) mA 400 360 240 152 100 76 50 38 30 20 10 5.2 Resolution (0.012% of Iomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.1% of Iomax + 0.3% of Io Actual Output) mA 800 720 480 304 200 152 100 76 60 40	—	+		<u>X</u>
Resolution (0.012% of Vomax) mV 0.72 0.96 1.50 2.40 3.60 4.80 7.2 9.6 12 18 36 72 Accuracy (0.1% Vomax+0.1% of Vo Actual Output) mV 12 16 25 40 60 80 120 160 200 300 600 1200 Readback Current Resolution (0.012% of Iomax+0.3% of Io Actual Output) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of Iomax+0.3% of Io Actual Output) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of Iomax+0.3% of Io Actual Output) <h>mA <h>24 <h>21.6 <h>14.4 <h>9.12 <h>6 <h>4.56 <h>3.0 2.28 1.80 1.20 0.60 0.32 1.4 Accuracy (0.1% of Iomax+0.3% of Io Actual Output) mA 800 720 480 304 200 <</h></h></h></h></h></h></h></h>				Х
Accuracy (0.1%Vomax+0.1% of Vo Actual Output) mV 12 16 25 40 60 80 120 160 200 300 600 1200 Readback Current Resolution (0.012% of lomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 400 360 240 152 100 76 50 38 30 20 10 5.2 Resolution (0.012% of lomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 800 720 480 304 200 152 100 76 60 40 20 10.4 OVP Programming				
Readback Current Resolution (0.012% of lomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 400 360 240 152 100 76 50 38 30 20 10 5.2 Resolution (0.012% of lomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 800 720 480 304 200 152 100 76 60 40 20 10.4	х			Х
Resolution (0.012% of lomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 400 360 240 152 100 76 50 38 30 20 10 5.2 Resolution (0.012% of lomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 800 720 480 304 200 152 100 76 60 40 20 10.4 OVP Programming W V <td>Х</td> <td>X</td> <td></td> <td>Х</td>	Х	X		Х
Resolution (0.012% of lomax) mA 12 10.8 7.2 4.56 3.0 2.28 1.50 1.14 0.9 0.60 0.30 0.16 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 400 360 240 152 100 76 50 38 30 20 10 5.2 Resolution (0.012% of lomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 800 720 480 304 200 152 100 76 60 40 20 10.4 OVP Programming W V <td></td> <td></td> <td></td> <td></td>				
Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 400 360 240 152 100 76 50 38 30 20 10 5.2 Resolution (0.012% of lomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 800 720 480 304 200 152 100 76 60 40 20 10.4 OVP Programming <td>x</td> <td>-x</td> <td>+</td> <td></td>	x	-x	+	
Resolution (0.012% of lomax) mA 24 21.6 14.4 9.12 6 4.56 3.0 2.28 1.80 1.20 0.60 0.32 Accuracy (0.1% of lomax+0.3% of lo Actual Output) mA 800 720 480 304 200 152 100 76 60 40 20 10.4 OVP Programming Image: Contract of the second s	x			
Accuracy (0.1% of Iomax+0.3% of Io Actual Output) mA 800 720 480 304 200 152 100 76 60 40 20 10.4 OVP Programming		-^-+		х
OVP Programming		-+		x
		ł		
resolution (U.1% or vomax) mV 6 8 12 20 29 39 59 78 98 146 293 586 l	+		_	~
	<u>x</u>			<u>X</u>
Accuracy (1% of Vomax) mV 60 80 125 200 300 400 600 800 1000 1500 3000 6000	X	<u>x</u>		х
*1: Minimum voltage is guaranteed to maximum 0.2% of Vomax. *3: At maximum output power. *5: From No-load to Full-load, constant input voltage.	e.	э.		

*1: Minimum voltage is guaranteed to maximum 0.2% of Vomax.
*3: At maximum output power.
*2: Minimum current is guaranteed to maximum 0.4% of Iomax.
*4: 85–132Vac or 170–265Vac, constant load.
*5: From No-load to Full-load, constant input voltage.
*7: For 6V models the ripple is measured at 2–6V output voltage and full output current. For other models, the ripple is measured at 10–100% output voltage and full output current.
*8: Time for the output voltage to recover within 0.5% of its rated for a load change 10–90% of rated output, Output set-point:10–100%. Accuracy -Values have been calculated at Vomax & Io max

General Specifications Genesys™ 750W/1500W

2.1 INPUT CHARACTERISTICS					
1. Input voltage/freq. (*1)	85~265Vac continuous, 47~63Hz, single phase				
2. Power Factor	0.99 @100/200Vac, rated output power.				
3. EN61000-3-2,3 compliance	Complies with EN61000-3-2 class A and EN61000-3-3 at 20~100% output power.				
4. Input current 100/200Vac	750W :10.5A / 5A, 1500W :21A / 11A				
5. Inrush current 100/200Vac	750W :Less than 25A, 1500W :Less than 50A				
6. Hold-up time	More than 20mS , 100Vac , at 100% load.				
6. Hold-up lime	more than 20ms, 100vac, at 100% load.				
2.2 POWER SUPPLY CONFIGURAT	710N				
1. Parallel Operation	Up to 4 units in master/slave mode with single wire current balance connection				
2. Series Operation	Up to 2 units. with external diodes. 600V Max to Chassis ground				
2.3 ENVIRONMENTAL CONDITION	S				
1. Operating temp	0~50 °C, 100% load.				
2. Storage temp	-20~70°C				
3. Operating humidity	30~90% RH (no condensation).				
4. Storage humidity	10~95% RH (no condensation).				
5. Vibration	MIL-810E, method 514.4, test cond. I-3.3.1. The EUT is fixed to the vibrating surface.				
6. Shock	Less than 20G, half sine, 11mSec. Unit is unpacked.				
7. Altitude	Operating: 10000ft (3000m), Non operating: 40000ft (12000m).				
.4 EMC	- ENERGY				
1.Applicable standards:	EN55024				
2.ESD	IEC1000-4-2. Air-disch8KV, contact disch4KV				
3.Fast transients	IEC1000-4-4. 2KV				
4.Surge immunity	IEC1000-4-5. 1KV line to line, 2KV line to ground				
5.Conducted immunity	IEC1000-4-6, 3V				
6.Radiated immunity	IEC1000-4-3, 3V/m				
7.Conducted emission	EN55022B,FCC part 15J-B,VCCI-2				
8.Radiated emission	EN55022A,FCC part 15-A,VCCI-1				
9.Voltage dips	EN61000-4-11				
10. Conducted emission	EN55022B, FCC part 15-B, VCCI-2.				
11. Radiated emission	EN55022A, FCC part 15-A, VCCI-1.				
2.5 SAFETY					
1.Applicable standards:	CE Mark, UL60950, EN60950 listed. Vout<60V:Output is SELV, IEEE/Isolated analog are SELV.				
	60 <vout<400v: analog="" are="" hazardous,="" ieee="" is="" isolated="" output="" selv.<="" td=""><td></td></vout<400v:>				
	400 <vout<600v:output analog="" are="" hazardous,="" ieee="" is="" isolated="" not="" selv.<="" td=""><td></td></vout<600v:output>				
2.Withstand voltage	Vout<60V models :Input-Outputs (SELV): 3.0KVrms 1min, Input-Ground: 2.0KVrms 1min.				
	60 <vout<600v 1min,="" 1min.<="" 2.5kvrms="" 3kvrms="" input-haz.="" input-selv:="" models:="" output:="" td=""><td></td></vout<600v>				
	Hazardous OutputSELV: 1.9KVrms 1min, Hazardous Output-Ground:1.9KVrms 1min.				
	Input-Ground: 2KVrms 1min.				
3.Insulation resistance	More than 100Mohm at 25°C , 70% RH.				
2.6 MECHANICAL CONSTRUCTION	N				
1. Cooling	Forced air flow: from front to rear. No ventilation holes at the top or bottom of the chassis Variable fan speed.				
2. Dimensions (WxHxD)	W: 422.8mm, H: 43.6mm, D: 432.8mm (excluding connectors, encoders, handles etc)				
3. Weight	750W : 7Kg (15.4 Lbs) 1500W : 8.5Kg (18.7 Lbs)				
4. AC Input connector	750W: AC Inlet IEC320.				
	1500W: screw terminal block. Phoenix P/N: FRONT-4-H-7.62 . with strain relief				

 1500W: screw terminal block, Phoenix P/N: FRONT-4-H-7.62, with strain relief

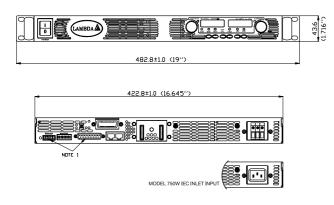
 5.Output connectors
 6V to 60V models: bus-bars (hole Ø 8.5mm).
 80V to 600V models :terminal block ,Phoenix P/N: FRONT-4-H-7.62

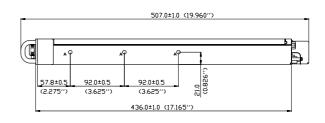
2.7 RELIABILITY SPECS
1. Warranty

*1: For cases where conformance to various safety standards (UL, IEC etc.) is required, to be described as 100-240Vac (50/60Hz).

Outline Drawing Genesys[™] 750W/1500W Units

5 years





NOTE

1. PLUG CONNECTORS INCLUDED WITH THE POWER SUPPLY 2. CHASSIS SLIDES MOUNTING HOLES #10-32 MARKED "A"

GENERAL DEVICES P/N: CC301-00-S160 OR EQUIVALENT



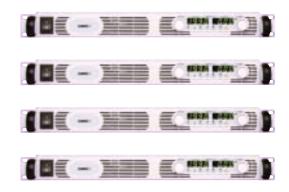
Genesys[™] Power Parallel and Series Configurations

Parallel operation - Master/ Slave:

Active current sharing allows up to 4 units to be connected in an auto parallel configuration for four times the output power.

Series operation

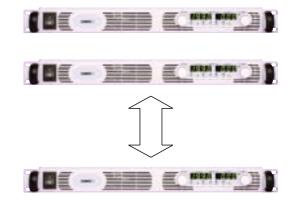
Up to two units may be connected in series to increase the output voltage or to provide bipolar output. (Max 600V to Chassis Ground)



Remote Programming via RS232&RS485 Interface

Standard Serial Interface allows chain control of up to 31 power supplies on the same bus with built in RS232&485 Interface





Programming Options (Factory installed)

Digital Programming via IEEE Interface

- IEEE 488.2 Compliant
- Program Voltage
- Measure Voltage
- Over Voltage setting and shutdown
- Error and Status Messages

Isolated Analog Programming

P/N: IEEE

- SCPI Compliant
- Program Current
- Measure Current
- Current Foldback shutdown

Four Channels to Program and Monitor Voltage and Current Isolation allows operation with floating references and difficult electrical environments. Choose between programming with Voltage or Current. Connection via Removable terminal block P/N: Phoenix MC1,5/8-ST-3.81

P/N: IS510 - Voltage Programming, user selectable 0-5V or 0-10V signal
Power supply Voltage and Current Programming accuracy +/-1%
Power supply Voltage and Current Monitoring accuracy +/-1.5%
P/N: IS420 - Current Programming with 4-20mA signal
Power supply Voltage and Current Programming accuracy +/-1%
Power supply Voltage and Current Monitoring accuracy +/-1.5%

5 Genesys TM 750W/1500W-1U

Power Supply Identification / Accessories How to order

	GEN	600	- 2.6	-			-		
				_	Fact	ory Options		le option is 750	
	Series	Output	Out	put	Opt	ion: IEEE	Regio	n: E - Europ	be
	Name	Voltage	Cur	rent		IS510		J - Japai	
		(0~600V)	(0~)	2.6A)		IS420		I - Middl	
750/	1500W	. ,							America
, , ,00	130011	Output	Output	Outrut	1		Output		
	Madal	Output	Output	Output		Madal	Output	Output	Output
	Model	Voltage	Current	Power		Model	Voltage	Current	Power
		VDC	(A)	(W)			VDC	(A)	(W)
	GEN6-100	_	0~100	600		GEN60-12.5		0~12.5	750
	GEN6-200	0~6V	0~200	1200		GEN60-25	0~60V	0~25	1500
	GEN8-90		0~90	720		GEN80-9.5		0~9.5	760
	GEN8-180	0~8V	0~180	1440		GEN80-19	0~80V	0~19	1520
	GEN12.5-60		0~60	750		GEN100-7.5		0~7.5	750
	GEN12.5-120	0~12.5V	0~120	1500		GEN100-15	0~100V	0~15	1500
	GEN20-38		0~38	760		GEN150-5		0~5	750
	GEN20-76	0~20V	0~76	1520		GEN150-10	0~150V	0~10	1500
	GEN30-25		0~25	750		GEN300-2.5		0~2.5	750
	GEN30-50	0~30V	0~50	1500	1	GEN300-5	0~300V	0~5	1500
	GEN40-19		0~19	760		GEN600-1.3		0~1.3	780
	GEN40-38	0~40V	0~38	1520		GEN600-2.6	0~600V	0~2.6	1560
F	actory o	otion				P/N	1		
R	S232/485 I	nterface bui	ilt in Stand	ard		-			
G	PIB Interfa	ice				IEE	E		
V	oltage Prog	ramming Is	olated ana	alog interfa	се	IS5 ²	10		
		ramming Is				IS42			
ds se	ets (750W	/ onlv)							

AC Cords sets (750W only)

Region	Europe	Japan	Middle East	North America
Output Power	750W	750W	750W	750W
AC Cords	10A/250 Vac L=2m	13A/125 Vac L=2m	10A/250 Vac L=2m	13A/125 Vac L=2m
Wall Plug	INT'L 7/VII		SI-32	NEMA 5-15P
Power Supply	IEC320-C13	IEC320-C13	IEC320-C13	IEC320-C13
Connector			3	
Part Number	P/N: GEN/E	P/N: GEN/J	P/N: GEN/I	P/N : GEN/U

Accessories

Models

1.Communication cable

RS232/RS485 Cable is used to connect the power supply to the PC Controller

Mode	RS485	RS232	RS232
PC Connector Communication Cable Power Supply Connector	DB-9F Shield Ground L=2m EIA/TIA-568A (RJ-45)	DB-9F Shield Ground L=2m EIA/TIA-568A (RJ-45)	DB-25F FShield Ground L=2m EIA/TIA-568A (RJ-45)
P/N	GEN/485-9	GEN/232-9	GEN/232-25

Serial link cable*

Chaining Power Supply to Power Supply up to 31 GEN units

Mode	Power Supply Connector	Communication Cable	P/N
RS485	EIA/TIA-568A (RJ-45)	Shield Ground L=50cm	GEN/RJ45
المعادية معنيه معنده مالا المالين المعامين			

* Included with the power supply

