OUTPUT RATING						
COLL OF LYMINA	G		8-600	60-85	150-34	600-8.5
1.Rated output vo	oltage(*1)	V	8	60	150	600
2.Rated output cu	` ′	A	600	85	34	8.5
3.Rated output po	ower	W	4800	5100	5100	5100
INPUT CHARACT	TERISTICS	V	8	60	150	600
1.Input voltage/fre			3-Phase, 200V models: 170~26			- 500
'			3-Phase, 400V models: 342-46		-	
2. Maximum	3-Phase, 200V model	s:	21	22	22	22
Input current at	3-Phase, 400V model	n.	10.5	 		
100% load			10.5	11	11	11
3.Power Factor (1	Гур)		0.94@200/380Vac, rated outpu	···		
5.Efficiency (*4) 6.Inrush current ((*5)	%	83	90	88	88
O.IINUSII CUITEIIL ((3)		3-Phase 200V models: Less tha 3-Phase 400V models: Less tha			
			13-1-Hase 400V Hiodels. Less tila	11 20A		
CONSTANT VOL	TAGE MODE	V	8	60	150	600
1.Max. Line regula		***	0.01% of rated output voltage			1
2.Max. Load regul			0.015% of rated output voltage	-5mV		
	e (p-p, 20MHz) (*8)	mV	75	75	120	500
4.Ripple r.m.s. 5H		m∨	10	10	25	120
5.Temperature co		PPM/°C	100PPM/°C from rated output ve	oltage, following 30 minutes warm	-up.	
6.Temperature sta	ability			terval following 30 minutes warm-		
7. Warm-up drift				voltage+2mV over 30 minutes fol		
	compensation/wire onse time, 0-Vomax.(*9	V V	2	5	5	5
	sponse time: Full load		30 15	80	50 I 400	100
10.DOM-prog.res	No load	<u> </u>	400	1000	100	3000
11.Transient resp		mS		er within 0.5% of its rated output for		
			output current. Output set-point:		51 5 1000 011ango 10 0070 01 12100	· I I
				and including 100V, 2mS, for mo	dels above 100V.	l 1
12.Hold-up time			5mSec Typical. Rated output po			···
CONSTANT CUR	RRENT MODE	ΙV	8	60	450	600
				60	150 ⁻	600
1.Max. Line regula			0.05% of rated output current.	00	150	800
1.Max. Line regula 2.Max. Load regul	lation (*11)		0.1% of rated output current.		7	600
Max. Line regula Max. Load regula Load regulation	lation (*11) thermal drift		0.1% of rated output current. Less than 0.1% of rated output of	urrent over 30 minutes following I	pad change.	
1.Max. Line regula 2.Max. Load regul 3.Load regulation 4.Ripple r.m.s. 5H	lation (*11) thermal drift dz-1MHz (*12)	 mA	0.1% of rated output current. Less than 0.1% of rated output c 1950	urrent over 30 minutes following I	pad change.	15
1.Max. Line regula 2.Max. Load regula 3.Load regulation 4.Ripple r.m.s. 5H 5.Temperature co	lation (*11) thermal drift dz-1MHz (*12) pefficient	mA PPM/OC	0.1% of rated output current. Less than 0.1% of rated output c 1950 100PPM/OC from rated output ci	urrent over 30 minutes following li 150 Irrent, following 30 minutes warm	pad change. 90 up.	15
1.Max. Line regula 2.Max. Load regulation 3.Load regulation 4.Ripple r.m.s. 5H 5.Temperature co 6.Temperature sta	lation (*11) thermal drift dz-1MHz (*12) pefficient	mA PPM/OC	0.1% of rated output current. Less than 0.1% of rated output c 1950 100PPM/C from rated output cu 0.05% of rated lout over 8hrs. in	urrent over 30 minutes following l 150 Irrent, following 30 minutes warm- terval following 30 minutes warm-	pad change. 90 up. up. Constant line, load & temperat	15
1.Max. Line regula 2.Max. Load regul 3.Load regulation 4.Ripple r.m.s. 5H	lation (*11) thermal drift dz-1MHz (*12) pefficient	mA PPM/OC	0.1% of rated output current. Less than 0.1% of rated output c 1950 100PPM/C from rated output cu 0.05% of rated lout over 8hrs. in 8-18V model: Less than +/-0.5%	urrent over 30 minutes following li 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 n	pad change. 90 up. up. Constant line, load & temperation	15
1.Max. Line regula 2.Max. Load regul 3.Load regulation 4.Ripple r.m.s. 5H 5.Temperature co 6.Temperature sta	lation (*11) thermal drift dz-1MHz (*12) pefficient	mA PPM/OC	0.1% of rated output current. Less than 0.1% of rated output c 1950 100PPM/C from rated output cu 0.05% of rated lout over 8hrs. in 8-18V model: Less than +/-0.5%	urrent over 30 minutes following l 150 Irrent, following 30 minutes warm- terval following 30 minutes warm-	pad change. 90 up. up. Constant line, load & temperation	15
1.Max, Line regula 2.Max. Load regul 3.Load regulation 4.Rippler.m.s. 5H 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGE	lation (*11) thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI	mA PPM ^O C	0.1% of rated output current. Less than 0.1% of rated output c 1950 100PPM/C from rated output cu 0.05% of rated lout over 8hrs. in 8-18V model: Less than +/-0.5%	urrent over 30 minutes following li 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 n	pad change. 90 up. up. Constant line, load & temperation	15
1.Max, Line regula 2.Max, Load regulation 4.Ripple r.m.s. 5H 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGE 1.Vout voltage progen	lation (*11) thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/C from rated output cu 0.05% of rated lout over 8hrs. inl 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 m of rated output current over 30 minutes warm- port rated output current over 30 minutes warm-	pad change. 90 up. up. Constant line, load & temperatinutes following power on. autes following power on.	15
1.Max, Line regula 2.Max, Load regula 3.Load regulation 4.Ripple r.m.s. 5H 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGF 1.Vout voltage pro 2.lout voltage pro 2.lout voltage pro 2.lout voltage pro	lation (*11) thermal drift tz=1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13)	mA PPM°C TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/°C from rated output cu 0.05% of rated lout over 8hrs. ini 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5V or 0~10V, user si	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes of rated output current over 30 minutes warm- of rated o	pad change. 90 up. up. Constant line, load & temperatinutes following power on. utes following power on. */-0.5% of rated Vout. */-1% of rated louf.	15
1.Max, Line regula 2.Max. Load regula 3.Load regulation 4.Ripple r.m.s. 5H 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGE 1.Vout voltage pro 2.lout voltage pro 3.Vout resistor pro	lation (*11) thermal drift tz=1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/°C from rated output cu 0.05% of rated lout over 8hrs. ini 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5V or 0~10V, user si	urrent over 30 minutes following I. 150 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes of rated output current over 30 minutes of rated output current over 30 minutes warm- of rated output current over 30 minutes over	pad change. 90 up. up. Constant line, load & temperatinutes following power on. nutes following power on. 10-10-5% of rated Vout. 10-1% of rated louf, earity: +/-1% of rated Vout.	15
1.Max. Line regula 2.Max. Load regulation 4.Ripple r.m.s. 5H 5.Temperature so 6.Temperature sta 7. Warm-up drift ANALOG PROGF 1.Vout voltage prog 2. Iout voltage prog 3. Vout resistor prog 4. Iout resistor prog	lation (*11) thermal drift tz=1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming	TORING	0.1% of rated output current. Less than 0.1% of rated output c 1950 100PPM/°C from rated output c 0.05% of rated lout over 8hrs. ini 8-16V model: Less than +/-0.25% of 20V-600V: Less than +/-0.25% of 0~100%, 0~5V or 0~10V, user s 0~100%, 0~5V or 0~10V, user s 0~100%, 0~5/10Kohm full scale, 0~100%, 0~5/10Kohm full scale,	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes of rated output current over 30 minutes warm- of rated output current over 30 minutes warm- of rated output current over 30 minutes over	pad change. 90 up. up. Constant line, load & temperat inutes following power on. uites following power on. +/-0.5% of rated Vout. +/-1% of rated lout. earity: +/-1% of rated Vout. earity: +/-1.5% of rated lout.	15
1.Max, Line regula 2.Max, Load regulation 4.Ripple r.m.s. 5H 5.Temperature sta 7. Warm-up drift ANALOG PROGF 1.Vout voltage prog 2.Iout voltage prog 3.Vout resistor prog 4.Iout resistor prog 5.On/Off control	lation (*11) thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13)	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/°C from rated output current. 8-16V model: Less than +/-0.5% of rated lout over 8hrs. ini 8-16V model: Less than +/-0.25% of rated lout over 8hrs. ini 9-100%, 0-5V or 0-10V, user si 0-100%, 0-5V lokohm full scale, 0-100%, 0-5/10Kohm full scale, By electrical Voltage: 0-0.6V/2-	urrent over 30 minutes following la 150 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes over 30 minutes warm- of rated output current over 30 minutes over 30 minutes warm- of rated output current over 30 minutes over 3	pad change. 90 up. up. Constant line, load & temperat linutes following power on. uites following power on. 1-1-0.5% of rated Vout. 1-1-1% of rated lout.	15
1.Max, Line regula 2.Max. Load regula 3.Load regulation 4.Ripple r.m.s. 5H 5.Temperature sta 7. Warm-up drift ANALOG PROGE 1.Vout voltage pro 2.lout voltage pro 4.lout resistor pro 4.lout resistor pro 5.On/Off control 6.Output current n	lation (*11) thermal drift 12-1MHz (*12) selficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13)	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/OC from rated output cu 0.05% of rated lout over 8hrs. ini 8~16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5/10Kohm full scale, 0~100%, 0~5/10Kohm full scale, By electrical Voltage: 0~0.6V/2~	urrent over 30 minutes following la 150 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 min of rated output current over 30 min electable. Accuracy and linearity: electable. Accuracy and linearity: user selectable. Accuracy and lin user selectable. Accuracy and lin 15V or dry contact, user selectable Accuracy: +/-1%.	pad change. 90 up. up. Constant line, load & temperat inutes following power on. uites following power on. +/-0.5% of rated Vout. +/-1% of rated lout. earity: +/-1% of rated Vout. earity: +/-1.5% of rated lout.	15
1.Max, Line regula 2.Max, Load regulation 4.Ripple r.m.s. 5H 5.Temperature so 6.Temperature sta 7. Warm-up drift ANALOG PROGE 1.Vout voltage prog 2.lout voltage prog 3.Vout resistor prog 4.lout resistor prog 5.On/Off control 6.Output current in 7.Output voltage in	lation (*11) thermal drift t2-1MHz (*12) selficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/°C from rated output cu 0.05% of rated lout over 8hrs. inl 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of 0~100%, 0~5V or 0~10V, user su 0~100%, 0~5V or 0~10V, user su 0~100%, 0~5/10Kohm full scale, 0~100%, 0~5/10Kohm full scale, By electrical Voltage: 0~0.6V/2~ 0~5V or 0~10V, user selectable. 0~5V or 0~10V, user selectable.	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- to of rated output current over 30 minutes of rated output current over 30 minutes warm- to frated output current over 30 minutes warm- telectable. Accuracy and linearity: user selectable. Accuracy and linearity: Accuracy: +/-1%.	pad change. 90 up. up. Constant line, load & temperat linutes following power on. uites following power on. 1-7-0.5% of rated Vout. 1-7-1% of rated lout.	15
1.Max, Line regula 2.Max. Load regula 3.Load regulation 4.Ripple r.m.s. 5H 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGE 1.Vout voltage pro 2.lout voltage pro 3.Vout resistor pro 5.On/Off control 6.Output current in 7.Output voltage in 8.Power supply Ol	lation (*11) thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor K signal	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/°C from rated output cu 0.05% of rated lout over 8hrs. inl 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5/10Kohm full scale, 0~100%, 0~5/10Kohm full scale, by electrical Voltage: 0~0.8V/2~ 0~5V or 0~10V, user selectable. 0~5V or 0~10V, user selectable. 4~5V-OK, 0V-Fall. 500ohm series	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- to of rated output current over 30 minutes of rated output current over 30 minutes warm- telectable. Accuracy and linearity: electable. Accuracy and linearity: user selectable. Accuracy and linearity: user selectable. Accuracy and lineser selectable. Accuracy: +/-1%. Accuracy: +/-1%. Es resistance.	pad change. 90 up. up. Constant line, load & temperatinutes following power on. autes following power on. 10-0.5% of rated Vout. 10-1.5% of rated Vout. 10-1.5% of rated Vout. 10-1.5% of rated Vout. 10-1.5% of rated Iout.	15
1.Max, Line regulation 2.Max, Load regulation 4.Rippler.m.s. 5H 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGF 1.Vout voltage prog 2.lout voltage prog 3.Vout resistor prog 5.On/Off control 6.Output current in 7.Output voltage in 8.Power supply Of 9.Parallel operatio	lation (*11) thermal drift thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor (*13) monitor	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/OC from rated output cu 0.05% of rated lout over 8hrs. inl 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5/10Kohm full scale, 0-100%, 0-5/10Kohm full scale, 8y electrical Voltage: 0-0.8V/2- 0-5V or 0-10V, user selectable. 0-5V or 0-10V, user selectable. 4-5V-OK, 0V-Fall. 500ohm serk Possible, up to 4 units in master/	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes warm- for rated output current over 30 minutes warm- telectable. Accuracy and linearity: electable. Accuracy and linearity: user selectable. Accuracy and linearity: user selectable	pad change. 90 up. p. Constant line, load & temperation test following power on. autes following power on. 1-1-0.5% of rated Vout. 1-1-1% of rated louf. 1-1-1% of rated lout.	15
1.Max. Line regula: 2.Max. Load regulation 4.Ripple r.m.s. 5H 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGF 1.Vout voltage prog 2.lout voltage prog 3.Vout resistor prog 4.lout resistor prog 6.Out/Off control 6.Output current m 7. Output voltage m 8.Power supply Of 9.Parallel operatio 10.Series operatio	lation (*11) thermal drift dz~1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor K signal on	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/C from rated output cu 0.05% of rated lout over 8hrs. inl 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5/10Kohm full scale, 0-100%, 0-5/10Kohm full scale, By electrical Voltage: 0-0.6V/2- 0-5V or 0-10V, user selectable. 0-5V or 0-10V, user selectable. 4-5V-OK, 0V-Fail. 500ohm seric	urrent over 30 minutes following I 150 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes over 30 minutes and inearity: electable. Accuracy and linearity: user selectable. Accuracy and lineser selectable. Accuracy and lineser selectable. Accuracy and lineser selectable. Accuracy: +/-1%. Accuracy: +/-1%. Se resistance. slave mode with two wires current p to 2 units. 600Vdc max, from cl	pad change. 90 up. up. Constant line, load & temperate inutes following power on. nutes following power on. 1-1-0.5% of rated Vout. 1-1-1% of rated lout. 1-1% of rated lout.	ture.
1.Max. Line regula 2.Max. Load regula 3.Load regulation 4.Ripple r.m.s. 54 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGF 1.Vout voltage prog 3.Vout resistor prog 4.lout voltage prog 5.On/Off control 6.Output current in 7.Output voltage in 8.Power supply Of 9.Parallel operatio 10.Series operatio 11.CV/CC indicato	lation (*11) thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor K signal on	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/C from rated output current. 8-16V model: Less than +/-0.5% of rated lout over 8hrs. ini 8-16V model: Less than +/-0.25% of 20V-600V: Less than +/-0.25% of 20V-600V: Less than +/-0.25% of 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5V10Kohm full scale, 0-100%, 0-5/10Kohm full scale, 0-100%, 0-5/10Kohm full scale, 20-100%, 0-5/10Kohm full scale, 20-100%, 0-5/10Kohm full scale, 30-100%, 0-5/10Kohm	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes warm- for rated output current over 30 minutes warm- telectable. Accuracy and linearity: electable. Accuracy and linearity: user selectable. Accuracy and linearity: user selectable	pad change. 90 up. up. Constant line, load & temperat inutes following power on. utes following power on. +/-0.5% of rated Vout. -/-1% of rated lout. earity: +/-1% of rated Vout. e logic. balance connection. assis ground. 50V, maximum sink current: 10m/	ture.
1.Max, Line regula 2.Max, Load regula 3.Load regulation 4.Ripple r.m.s. 54 5.Temperature sta 7. Warm-up drift ANALOG PROGF 1.Vout voltage prog 2.Jout voltage prog 3.Vout resistor prog 6.On/Off control 6.Output current in 7.Output voltage in 8.Power supply Of 10.Paseliel operatio 10.Seriel operatio 11.CV/CC indicato 12.Enable/Disable	lation (*11) thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor K signal on	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/°C from rated output current. 8-16V model: Less than +/-0.5% of rated lout over 8hrs. in 8-16V model: Less than +/-0.25% of 20V-600V: Less than +/-0.25% of 20V-600V: Less than +/-0.25% of 20V-600V: Less than +/-0.25% of 0-100%, 0-5V or 0-10V, user since 100%, 0-5/10Kohm full scale, 0-100%, 0-5/10Kohm full scale, 20V-600V: Less than +/-0.5% of 0-10V, user selectable. 0-5V or 0-10V, user selectable. 0-5V or 0-10V, user selectable. 4-5V-CK, 0V-Fail. 500ohm serk Possible, up to 4 units in master/Possible (with external diodes), upper collector. CC mode: On, CDry contact. Open: Off, Short. CDry contact.	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes to a frated output current over 30 minutes. Electable, Accuracy and linearity: user selectable, Accuracy and linearity: user selectab	pad change. 90 up. up. up. Constant line, load & temperate interest following power on. uites following power on. interest following power on. intere	ture.
1.Max, Line regula 2.Max, Load regula 3.Load regulation 4.Ripple r.m.s. 5H 5.Temperature sta 7. Warm-up drift ANALOG PROGE 1.Vout voltage pro 2.lout voltage pro 2.lout voltage pro 5.On/Off control 6.Output current in 7.Output voltage in 8.Power supply Of 9.Parallel operatio 11.CV/CC indicato 12.Enable/Disable 13.Local/Remote a	thermal drift thermal drift tz-1MHz (*12) selficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor K signal on or e analog Control	TORING	0.1% of rated output current. Less than 0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/°C from rated output ct 0.05% of rated lout over 8hrs. ini 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5V or 0~10V, user si 0~100%, 0~5/10Kohm full scale, By electrical Voltage: 0~0.6V/2~ 0~5V or 0~10V, user selectable. 0~5V or 0~10V, user selectable. 4~5V-OK, 0V-Fail. 500ohm serie Possible, up to 4 units in master/ Possible (with external diodes), u Open collector. CC mode: On, C Dry contact. Open: Off, Short: C By electrical signal or Open/Shor	urrent over 30 minutes following la 150 150 150 150 of rated output current over 30 minutes warm- of rated output current over 30 minutes and inearity: electable. Accuracy and linearity: user selectable. Accuracy and linearity: selectable. Accuracy and linearity: user selectable. Accuracy and linea	pad change. 90 up. up. up. Constant line, load & temperal inutes following power on. inutes following power o	ture.
1.Max. Line regula: 2.Max. Load regula: 3.Load regulation 4.Ripple r.m.s. 54 5.Temperature so: 6.Temperature so: 7. Warm-up drift ANALOG PROGF 1.Vout voltage prog 2.Iout voltage prog 3.Vout resistor prog 4.Iout resistor prog 5.On/Off control 6.Output current programmer of the control 9.Parallel operation 11.CV/CC indicated 12.Enable/Disable 13.Local/Remote and the control 14.Local/Remote and the control 15.CV/CC indicated 14.Local/Remote and the control 16.CV/CC indicated 17.CV/CC indicated 18.Local/Remote and the control 19.PROGRAMMING	lation (*11) thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor (*13) monitor K signal on or analog Control analog Indicator	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/OC from rated output cu 0.05% of rated lout over 8hrs. inl 8-16V model: Less than +/-0.5% 20V-600V: Less than +/-0.25% of current output cu 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5/10Kohm full scale, 0-100%, 0-5/10Kohm full scale, 0-100%, 0-5/10Kohm full scale, 20 o-10V, user selectable. 0-5V or 0-10V, user selectable. 0-5V or 0-10V, user selectable. 4-5V-OK, 0V-Fail. 500ohm seric Possible, up to 4 units in master/ Possible (with external diodes), u Open collector. CC moder. On, C Dry contact. Open: Off, Short: C By electrical signal or Open/Shor Open collector. Local: Open, Rer	urrent over 30 minutes following la 150 urrent, following 30 minutes warm-terval following 30 minutes warm-to-terval following 30 minutes warm-terval following 30 minutes and linearity: electable. Accuracy and line user selectable. Accuracy and line 15V or dry contact, user selectable. Accuracy and line 15V or dry contact, user selectable. Accuracy: +/-1%. Accuracy: +/-1%. Se resistance. Slave mode with two wires currently to 20 units. 600Vdc max, from cly wode: Off. Maximum voltage: 50n. Max. voltage at Enable/Disat to 0-0.6V or short: Remote, 2-15	pad change. 90 up. up. up. Constant line, load & temperal inutes following power on. inutes following power o	ture.
1.Max. Line regula 2.Max. Load regula 3.Load regulation 4.Ripple r.m.s. 54 5.Temperature co 6.Temperature sta 7. Warm-up drift ANALOG PROGF 1.Vout voltage prog 2.Jout voltage prog 3.Vout resistor prog 6.Output current in 7.Output voltage in 9.Parallel operatio 11.CV/CC indicato 12.Enable/Disable 13.Local/Remote a 14.Local/Remote a 14.Local/Remote a 14.Local/Remote a 14.Local/Remote a 14.Local/Remote a 14.Local/Remote a 15.CV/CC indicato 16.CV/CC indicato 17.CV/CC indicato 18.CV/CC indicato 19.CV/CC indicato 19	lation (*11) thermal drift tz-1MHz (*12) sefficient ability RAMMING AND MONI ogramming gramming (*13) ogramming gramming (*13) monitor (*13) monitor K signal on or analog Control analog Indicator AND READBACK (RS	TORING	0.1% of rated output current. Less than 0.1% of rated output current. 1950 100PPM/°C from rated output current. 0.05% of rated lout over 8hrs. ini 8-16V model: Less than +/-0.5% of 20V-600V: Less than +/-0.25% of 20V-600V: Less than +/-0.25% of 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5V or 0-10V, user si 0-100%, 0-5/10Kohm full scale, 0-100%, 0-5/10Kohm full scale, By electrical Voltage: 0-0.8V/2-0-5V or 0-10V, user selectable. 0-5V or 0-10V, ser selectable.	urrent over 30 minutes following la 150 Irrent, following 30 minutes warm- terval following 30 minutes warm- of rated output current over 30 minutes warm- of dry of dry contact, user selectable Accuracy: +/-1%. Accuracy: +/-1%. Accuracy: +/-1%. Accuracy: +/-1%. Bar resistance. or warm-of warm	pad change. 90 up. up. up. Constant line, load & temperal inutes following power on. inutes following power o	ture.
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DWG. NO.:		IA657-01-01 A
DRAW:	- Form	9.12.09
ENGR.:	1-1-	9.12.07
CHECK:	Doron P.	Dec-9-07
APPR.:	Doron P.	Dec- 9-07

GEN 5000W SERIES SPECIFICATIONS

						REV.
PROTECTIVE FUNCTIONS	V	8	60	150	600	
1.Foldback protection		Output shut-down when power so	upply change from CV to CC. Us	ser presetable.		
2.Over-voltage protection (OVP)	***	inverter shut-down, manual reservation	t by AC input recycle or by OUT I	button or by communication port con	nmand.	
3.Over -voltage trip point	V	0.5~10	5~66	5~165	5~660	
4.Output under voltage limit (UVL)		Preset by front panel or commun	ication port. Prevents from adjus	sting Vout below limit.	 -	
5.Over temperature protection		User selectable, latched or non la	atched.			

FRONT	PANEL

1.Control functions	 Vout/lout manual adjust by separate encoders (coarse and fine adjustment).
	 OVP/UVL manual adjust by Vout. Adjust encoder.
	 Address selection by Voltage Adjust encoder. No of addresses:31.
	 Go to local control.
	 Output on/off
	 AC on/off
	 Front panel lock
1	 Foldback control
	 Baud rate selection: 1200, 2400, 4800, 9600 and 19200.
	 Re-start modes (automatic restart, safe mode).
2.Display	 Vout: 4 digits, accuracy: 0.5% of rated output voltage+/-1 count.
	 lout: 4 digits, accuracy: 0.5% of rated output current+/-1 count.
3.Indications	 VOLTAGE, CURRENT, ALARM, FINE, PREVIEW, FOLDBACK, LOCAL, OUTPUT ON.

ENVIRONMENTAL CONDITIONS

1.Operating temperature		0~50°C, 100% load.	
2.Storage temperature		-20-85°C	
3.Operating humidity	%	20~90% RH (no condensation).	
4.Storage humidity	%	10~95% RH (no condensation).	
5.Altitude		Maximum 3000m. Derate output current by 2%/100m above 2000m.	A

MECHANICAL

WEST INTO AL			
1.Cooling		Forced air cooling by internal fans.	 7
2.Weight	Kg	Less than 16Kg.	1
3.Dimensions (WxHxD)	mm	W: 423, H: 88, D: 442.5 (Refer to Outline drawing).	 1
4.Vibration		MIL-810F, method 514.5	1
5.Shock		Less than 20G, half sine, 11mS. Unit is unpacked.	 1

SAFETY/EMC

ONICIPENIO				
1.Applicable standards:	Safety		UL60950-1 listed, EN60950-1. Vout≤ 40V: Output is SELV, IEEE/Isolated analog are SELV.	
			60≤ Vout≤ 400V: Output is hazardous, IEEE/Isolated analog are SELV.	
1			400 <vout≤ 600v:="" analog="" are="" hazardous,="" ieee="" is="" isolated="" not="" output="" selv.<="" td=""><td></td></vout≤>	
	EMC		EN55022, EN55024	
2.Withstand voltage			Vout≤ 40V models: Input-Outputs (SELV): 4242VDC 1min, Input-Ground: 2828VDC 1min.,	
			40V <vout≤ 100v="" 1min,="" 2600vdc="" 4242vdc="" hazard.="" input-haz.="" input-selv:="" models:="" output-selv:<="" output:="" td=""><td></td></vout≤>	
		ļ	1900VDC 1min, Hazard. Output-Ground: 1200VDC 1min, Input-Ground: 2828VDC 1min.	İ
			100V <vout≤ 1min,="" 4000vdc="" 4242vdc="" 600v="" hazard.="" input-haz.="" input-selv:="" models:="" output-selv:<="" output:="" td=""><td></td></vout≤>	
			3550VDC 1min, Hazard. Output-Ground: 2670VDC 1min, Input-Ground: 2828VDC 1min.	
3.Insulation resistance		L	More than 100Mohm at 25°C, 70%RH.	
4.Conducted emmision			EN55022A, FCC part 15-A, VCCI-A	\vdash
5.Radiated emission		***	EN55022A, FCC part 15-A, VCC!-A	

NOTES:

- *1: Minimum voltage is guaranteed to maximum 0.2% of rated output voltage.
- *2: Minimum current is guaranteed to maximum 0.4% of rated output current.
- *3: For cases where conformance to various safety standards (UL, IEC, etc...) is required, to be described as 190-240Vac (50/60Hz) for 3-Phase 200V models, and 380~415Vac (50/60Hz) for 3-Phase 400V models.
- *4: 3-Phase 200V models: At 200Vac input voltage, 3-Phase 400V: At 380Vac input voltage. With rated output power.
- *5: Not including EMI filter inrush current, less than 0.2mSec.
- *6: 3-Phase 200V models: 170~265Vac, constant load. 3-Phase 400V models: 342~460Vac, constant load.
- *7: From No-Load to Full-Load, constant input voltage. Measured at the sensing point in Remote Sense.
- *8: For 8V~300V models: Measured with JEITA RC-9131A (1:1) probe. For 600V model: Measured with 10:1 probe.
- *9: From 10% to 90% or 90% to 10% of Rated Output Voltage, with rated, resistive load.
- *10: From 90% to 10% of Rated Output Voltage.
- *11: For load voltage change, equal to the unit voltage rating, constant input voltage......
- *12: For 8V~15V models the ripple is measured at 2V to rated output voltage and rated output current. For other models, the ripple is measured at 10~100% of rated output voltage and rated output current.
- *13: The Constant Current programming, readback and monitoring accuracy do not include the warm-up and Load regulation thermal drift.

DWG. NO.:		IA657-01-02 A	
DRAW:	7	9.12.07	
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APPR.:	Dotow P.	Dec- 4-07	