74 44 m				_		_		
Module Type			1	2	4	5	6	8
H/L Voltage Classic fication		-	L	L	L	L	Н 250	Н
Rated output voltage		V	30	40	80	160	250	800
Rated output current		A	36	27	13.5	7.2	4.5	1.44
Rated output power		W	360	360	360	360	360	360
Power ratio		_	3	3	3	3.2	3.125	3.2
Constant Voltage Mode			30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
Line regulation (*1)		mV	18	23	43	83	128	403
Load regulation (*2)		mV	20	25	45	85	130	405
Ripple and noise (*3)	p-p (*4)	mV	60	60	60	60	80	150
	r.m.s. (*5)	mV	7	7	7	12	15	30
Temperature coefficient		ppm/°C	100ppm/°C of rated out	tput voltage, after a 30 min	_	Т	1	
Remote snese compensation voltage (single wire)		V	0.6	0.6	0.6	0.6	1	1
Rise time (*6)	Rated load	ms	50	50	50	100	100	150
	No load	ms	50	50	50	100	100	150
Fall time (*7)	Rated load	ms	50	50	50	100	150	300
	No load	ms	500	500	500	1000	1200	2000
Transient response time (*8)		ms	1	1	1	2	2	2
Constant Current Mode			30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
Line regulation (*1)		mA	41	32	18.5	12.2	9.5	6.44
Load regulation (*9)		mA	41	32	18.5	12.2	9.5	6.44
Ripple and noise	r.m.s.	mA	72	54	27	15	10	5
Temperature coefficient		ppm/°C	200ppm/°C of rated out	tput current, after a 30 min	ute warm-up			
Protection Function			30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
Over voltage protection (OVP)	Setting range	V	3-33	4-44	8-88	16-176	20-275	20-880
	Setting accuracy		± (2% of rated output v	oltage)			•	
Over current protection (OCP)	Setting range	A	3.6-39.6	2.7-29.7	1.35-14.85	0.72-7.92	0.45-4.95	0.144-1.584
	Setting accuracy		± (2% of rated output c	urrent)			<b>.</b>	
Over temperature protection (OTP)	Operation		Turn the output off					
Low AC input protection (AC-FAIL)	Operation		Turn the output off					
Power limit (POWER LIMIT)	Operation		Over power limit.					
	Value (fixed)		Approx. 105% of rated	output power				
Analog Programming and Monitoring	(-11100)		30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
External voltage control output voltage	at 23 °C ± 5 °C			$\pm 0.5\%$ of rated output vol		100-7.2	230-1.3	000 1.77
External voltage control output voltage  External voltage control output current	at 23 °C ± 5 °C	<u> </u>		±1% of rated output curre				
External voltage control output current  External resistor control output voltage	at 23 °C ± 5 °C			$\pm 1.5\%$ of rated output curre				
External resistor control output voltage  External resistor control output current	at 23 °C ± 5 °C			±1.5% of rated output cur				
Output voltage monitor	at 23 °C ± 5 °C		Accuracy: ±1%	±1.570 of fated output cur	rent.		Accuracy: ±2%	
Output current monitor	at 23 °C ± 5 °C		Accuracy: ±1%  Accuracy: ±1%				Accuracy: ±2%	
1	at 23 °C ± 3 °C		· · · · · · · · · · · · · · · · · · ·	th a LOW (0V to 0.5V) or	chart airmit		Accuracy. ±270	
Shutdown control			•			hort airavit turn the outro	at off using a HIGH (4.5V t	o 5V) or onen circuit
				g a HIGH (4.5V to 5V) or				o 3 v) or open-circuit.
Output on/off control			rain the output on usin	g a 111G11 (1.5 v to 5 v) of	open eneun, turn the outp	at off asing a 20 th (0 t a	70.5 T) of short enedic	
			DI . 1 11		1. 2017 1	.0.4		
CV/CC/ALM/PWR ON/OUT ON indicator			-	ector output; Maximum vo	-			
Front Panel			30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
Display, 4 digits Voltage accuracy	at 23 °C ± 5 °C; ± (0.1% +	mV	20	20	20	100	200	400
Current accuracy	at 23 °C ± 5 °C; ± (0.1% +	mA	40	30	20	5	5	2
Indications				C, VSR, ISR, DLY, RMT,	20, 40, 60, 80, 100, %W,	W, V, A		
			RED LED's: ALM					
Buttons				et, Test, Lock/Local, PWR	DSPL, Output			
Knobs			Voltage, Current					
USB port			Type A USB connector					
Programming and Measurement (USB, LAN, GPIB)			30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
			10	10	10	100	200	400
Output voltage programming accuracy	at 23 °C ± 5 °C; ± (0.1% +	mV						
Output voltage programming accuracy Output current programming accuracy	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% +	mV mA	30	20	10	5	5	2
			30		10 2	5	5	2 14
Output current programming accuracy		mA		20				
Output current programming accuracy Output voltage programming resolution Output current programming resolution		mA mV	1	20 1	2	3	5	14
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% +	mA mV mA mV	1 1	20 1 1	2	3 1	5 1	14 1
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy	at 23 °C ± 5 °C; ± (0.1% +	mA mV mA mV mA	1 1 10	20 1 1 1 10	2 1 10 10	3 1 100 5	5 1 200 5	14 1 400 2
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% +	mA mV mA mV mA mV	1 1 10 30	20 1 1 10 20	2 1 10	3 1 100 5 3	5 1 200	14 1 400
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% +	mA mV mA mV mA	1 1 10 30 1	20 1 1 10 20 1	2 1 10 10 2 1	3 1 100 5 3 1	5 1 200 5 5	14 1 400 2 14
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% +	mA mV mA mV mA mV	1 1 10 30 1	20 1 1 10 20	2 1 10 10 2	3 1 100 5 3	5 1 200 5 5	14 1 400 2
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac	mA mV mA mV mA mV	1 1 10 30 1 1 30-36	20 1 1 10 20 1 1 40-27	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 1 250-4.5	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +	mA mV mA mV mA mV mA mV mA	1 10 30 1 1 30-36 77	20 1 1 10 20 1 1 40-27 78	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 1 250-4.5 79 81	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency Input Characteristics	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac	mA mV mA mV mA mV mA mV mA	1 10 30 1 1 30-36 77 79	20 1 10 20 1 1 40-27 78 80 Dual Channel	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 1 250-4.5	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac	mA mV mA mV mA mV mA mV mA	1 10 30 1 1 30-36 77 79	20 1 1 10 20 1 1 40-27 78 80	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 1 250-4.5 79 81	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac	mA mV mA mV mA mV mA mV mA	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac	20 1 10 20 1 1 40-27 78 80 Dual Channel	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 1 250-4.5 79 81	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +	mA mV mA mV mA mV mA %	1 10 30 1 1 30-36 77 79	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac	mA mV mA mV mA mV mA A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output voltage measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +	mA mV mA mV mA mV mA %	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac	mA mV mA mV mA mV mA A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000	2 1 10 10 2 1 80-13.5	3 1 100 5 3 1 160-7.2	5 1 200 5 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 5 1 250-4.5 79 81 Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 11 130-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output voltage measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter)	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 11 11 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter)	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 11 11 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 11 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 11 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel  ondensation Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  100Vac	mA mV mA mV mA mV mA A A	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co	20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac	mA mV mA mV mA mV mA mV MA  MV MA  MV MA  VA	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel  ondensation Dual Channel	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  main unit only	mA mV mA mV mA mV mA mV MA  MV	1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel ondensation Dual Channel Approx. 5.4kg 142 x 124 x 350	2 1 10 10 2 1 80-13.5 78 80	3 1 100 5 3 1 160-7.2 79 81	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  main unit only	mA mV mA mV mA mV mA mV MA  MV	1 10 30 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co 90% RH or less; No co Maximum 2000m	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel ondensation Dual Channel Approx. 5.4kg 142 x 124 x 350	2 1 10 10 2 1 80-13.5 78 80  Class: CDC(Communicati Gateway IP Address, Instr	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output voltage measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions Cooling	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  main unit only	mA mV mA mV mA mV mA mV MA  MV	1 10 30 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co 90% RH or less; No co Maximum 2000m  Forced air cooling by in Complies with the Euro	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel ondensation  Dual Channel Approx. 5.4kg 142 x 124 x 350 nternal fan	2 1 10 10 2 1 80-13.5 78 80  Class: CDC(Communicati Gateway IP Address, Instr	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output voltage measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions Cooling EMC Safety	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  main unit only  (W×H×D)	mA mV mA mV mA mV mA mV MA  MV	1 10 30 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co 90% RH or less; No co Maximum 2000m  Forced air cooling by in Complies with the Euro	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Approx. 5.4kg 142 x 124 x 350 Internal fan Opean EMC directive for Copean Low Voltage Directive	2 1 10 10 2 1 80-13.5 78 80  Class: CDC(Communicati Gateway IP Address, Instr	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions Cooling EMC	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  main unit only  (W×H×D)  Between input and chassis	mA mV mA mV mA mV mA mV MA  MV MA  MV MA  VA  A  VA  VA	1 10 30 11 130-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co 90% RH or less; No co Maximum 2000m  Forced air cooling by in Complies with the Euro Co	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Approx. 5.4kg 142 x 124 x 350 Internal fan Opean EMC directive for Copean Low Voltage Directi 20 Vac for 1 minute	2 1 10 10 2 1 80-13.5 78 80  Class: CDC(Communicati Gateway IP Address, Instr	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output voltage measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions Cooling EMC Safety	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  main unit only  (W×H×D)  Between input and chassis  Between input and output	mA mV mA mV mA mV mA mV MA  MV MA  MV MA  VA  A  VA  VA	1 10 30 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co 90% RH or less; No co Maximum 2000m  Forced air cooling by in Complies with the Euro No abnormalities at 150 No abnormalities at 300	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Slave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Approx. 5.4kg 142 x 124 x 350 Internal fan Opean EMC directive for Copean Low Voltage Directi 20 Vac for 1 minute	2 1 10 10 2 1 80-13.5 78 80  Class: CDC(Communicati Gateway IP Address, Instr	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output voltage measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions Cooling EMC Safety	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  main unit only  (W×H×D)  Between input and chassis	mA mV mA mV mA mV mA mV MA  MV MA  MV MA  VA  A  VA  VA	1 10 30 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No cc 90% RH or less; No co Maximum 2000m  Forced air cooling by ir Complies with the Euro No abnormalities at 150 No abnormalities at 300 No abnormalities at 300 No abnormalities at 500	20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Blave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Approx. 5.4kg 142 x 124 x 350 Internal fan Opean EMC directive for Copean Low Voltage Directi 00 Vac for 1 minute	2 1 10 10 2 1 80-13.5 78 80 80  Class: CDC(Communicati Gateway IP Address, Instr	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output voltage measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions Cooling EMC Safety	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  main unit only  (W×H×D)  Between input and chassis  Between input and output	mA mV mA mV mA mV mA mV MA  MV MA  MV MA  VA  A  VA  VA	1 10 30 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No cc 90% RH or less; No co Maximum 2000m  Forced air cooling by ir Complies with the Euro No abnormalities at 150 No abnormalities at 300 No abnormalities at 300 No abnormalities at 500	20 1 1 10 20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Glave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Ondensation  Dual Channel Approx. 5.4kg 142 x 124 x 350 Internal fan Opean EMC directive for C Opean Low Voltage Directi 00 Vac for 1 minute 00 Vdc for 1 minute 00 Vdc for 1 minute 00 Vdc for 1 minute for 25	2 1 10 10 2 1 80-13.5 78 80 80  Class: CDC(Communicati Gateway IP Address, Instr	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output voltage measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions Cooling EMC Safety Withstand voltage	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  100Vac  200Vac  Between input and chassis  Between input and chassis  Between output and chassis	mA mV mA mV mA mV mA mV MA  MV MA  MV MA  VA  A  VA  VA	1 1 10 30 30 1 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co Maximum 2000m  Forced air cooling by in Complies with the Euro Complies with the Euro Complies with the Euro No abnormalities at 150 No abnormalities at 300 No abnormalities at 510 No abnormalities at 515 500 Vdc, 100 MΩ or m 500 Vdc, 100 MΩ or m	20 1 1 10 20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Glave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Ondensation  Dual Channel Approx. 5.4kg 142 x 124 x 350 atternal fan Opean Low Voltage Directi 00 Vac for 1 minute 00 Vdc for 1 minute for 25 00 Force 00 Forc	2 1 10 10 2 1 80-13.5 78 80 80  Class: CDC(Communicating Communicating C	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44
Output current programming accuracy Output voltage programming resolution Output current programming resolution Output voltage measurement accuracy Output current measurement resolution Output voltage measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency  Input Characteristics Norminal input rating Input voltage range Input frequency range Maximum input current  Inrush current Maximum input power Power factor  Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Operating humidity Storage humidity Altitude General Specifications Weight Dimensions Cooling EMC Safety Withstand voltage	at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  at 23 °C ± 5 °C; ± (0.1% +  100Vac  200Vac  100Vac  200Vac  100Vac  200Vac  Between input and chassis  Between input and chassis  Between input and chassis	mA mV mA mV mA mV mA mV MA  MV MA  MV MA  VA  A  VA  VA	1 1 10 30 30 1 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz  0.99 0.97 20ms or greater  TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G 0°C to 50°C -25°C to 70°C 20% to 85% RH; No co Maximum 2000m  Forced air cooling by in Complies with the Euro Complies with the Euro Complies with the Euro No abnormalities at 150 No abnormalities at 300 No abnormalities at 510 No abnormalities at 515 500 Vdc, 100 MΩ or m 500 Vdc, 100 MΩ or m	20 1 1 10 20 1 1 10 20 1 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase  10 5 Less than 50A 1000  Dual Channel Glave, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Ondensation  Dual Channel Approx. 5.4kg 142 x 124 x 350 atternal fan Opean Low Voltage Directi Dual Channel Ovac for 1 minute Dual Channel Ovac for 1 minute Dual Channel Ovac for 1 minute Dual Channel Dual Channel Dual Channel Ovac for 1 minute Dual Channel	2 1 10 10 2 1 80-13.5 78 80 80  Class: CDC(Communicating Communicating C	3 1 100 5 3 1 160-7.2 79 81  ons Device Class) ument IP Address, Subnet	5 1 200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel  15 7.5 Less than 75A 1500  Triple Channel  Mask  Triple Channel	14 1 400 2 14 1 800-1.44

## Notes:

- \*1: At 85  $\sim$  132Vac or 170  $\sim$  265Vac, constant load.
- \*2: From No-load to Full-load, constant input voltage. Measured at the sensing point in Remote Sense.
- \*3: Measure with JEITA RC-9131B (1:1) probe
- \*4: Measurement frequency bandwidth is 10Hz to 20MHz.
- \*5: Measurement frequency bandwidth is 5Hz to 1MHz.
- \*6: From 10% to 90% of rated output voltage, with rated resistive load. \*7: From 90% to 10% of rated output voltage, with rated resistive load.
- $*8: Time \ for \ output \ voltage \ to \ recover \ within \ 0.1\% + 10mV \ of \ its \ rated \ output \ for \ a \ load \ change \ from \ 50 \ to \ 100\% \ of \ its \ rated \ output \ current.$
- \*9: For load voltage change, equal to the unit voltage rating, constant input voltage.