

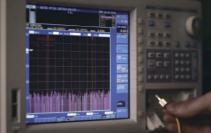
HY-GSU Series

1U Half-width Ultra-thin Programmable DC Power Supply Military Quality Power Supply Expert

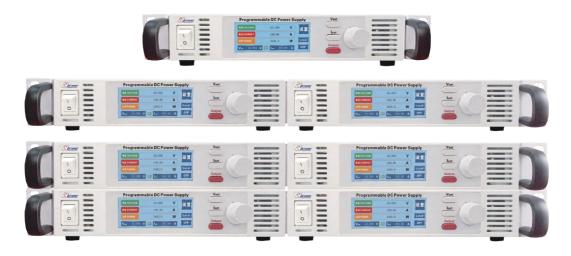








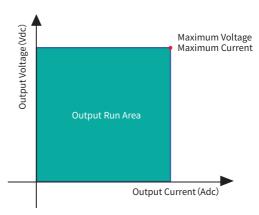




HY-GSU Series 1U Half-Width Ultra-Thin Programmable DC Power Supply







Ultra-small size: $214(W)^*457.5(D)^*43.7(H)$ mm, can be installed in parallel in a 19-inch frame.

Hangyu Power supply for many years to serve the aerospace military institute, the products are in line with military grade requirements, good shock resistance, high stability.

Product Features

- Two in series operation, 4 master-slave parallel operation
- Power density: 200W/400W/600W/800W
- Wide input voltage range: 85~265VAC
- Input standard PFC, power factor up to 0.99
- 16 bits D/A high precision converter, accurate output
- 20 bits A/D high precision converter, more accurate read back

Application Field

HY-GSU series power supply, through the series parallel form, can obtain more freedom of parameter selection, a wide range of applications, very suitable for integrated systems, in the military and intelligent manufacturing field is widely popular.

- Stable power supply
- Integration testing
- Military industry
- Medical care

1U Half Wide 214(W)*457.5(D)*43.7(H)mm 251mm 43.7mm 457.5mm 457.5mm 457.5mm

Product Model Naming Rules

Product series	Output voltage	Output current		Optional function		
HY-GSU	10	- 20	-	CF		
Selection examples:						
Product model: HY-GSU 10-20-CF						
Output voltage 0-10V	, output current 0-20A, cho	ose user-defined function				

Communication protocol	Standard communication interface	Optional communication interface
Modbus	RS-485	- LAN :Ethernet communicationinterface
SCPI	RS-232	- CAN :CAN communication interface - GPIB:GPIB communication interface
	Digital I/O	- IA : Analog quantity programming and monitoring interface (isolated type)

^{*} All technical indicators can only be guaranteed when the equipment runs continuously for more than 30 minutes at the specified operating temperature.

HY-GSU Series Product Model Selection And Parameters

Special specifications outside the voltage/current/power range in the selection table can be customized

200W Series Power supply selection

Models	Output voltage	Output current	Output power
HY-GSU 10-20	10V	20A	200W
HY-GSU 20-10	20V	10A	200W
HY-GSU 36-6	36V	6A	216W
HY-GSU 60-3.5	60V	3.5A	210W
HY-GSU 100-2	100V	2A	200W
HY-GSU 160-1.3	160V	1.3A	208W
HY-GSU 320-0.65	320V	0.65A	208W
HY-GSU 650-0.32	650V	0.32A	208W

600W Series Power supply selection

Models	Output voltage	Output current	Output power
HY-GSU 10-60	10V	60A	600W
HY-GSU 20-30	20V	30A	600W
HY-GSU 36-18	36V	18A	648W
HY-GSU 60-10	60V	10A	600W
HY-GSU 100-6	100V	6A	600W
HY-GSU 160-4	160V	4A	640W
HY-GSU 320-2	320V	2A	640W
HY-GSU 650-1	650V	1A	650W

400W Series Power supply selection

Models	Output voltage	Output current	Output power
HY-GSU 10-40	10V	40A	400W
HY-GSU 20-20	20V	20A	400W
HY-GSU 36-12	36V	12A	432W
HY-GSU 60-7	60V	7A	420W
HY-GSU 100-4	100V	4A	400W
HY-GSU 160-2.6	160V	2.6A	416W
HY-GSU 320-1.3	320V	1.3A	416W
HY-GSU 650-0.64	650V	0.64A	416W

800W Series Power supply selection

Models	Output voltage	Output current	Output power
HY-GSU 10-72	10V	72A	720W
HY-GSU 20-40	20V	40A	800W
HY-GSU 36-24	36V	24A	864W
HY-GSU 60-14	60V	14A	840W
HY-GSU 100-8	100V	8A	800W
HY-GSU 160-5	160V	5A	800W
HY-GSU 320-2.5	320V	2.5A	800W
HY-GSU 375-2.2	375V	2.2A	825W
HY-GSU 650-1.25	650V	1.25A	812.5W

HY-GSU Series Technical Parameters

DC 200W Low Voltage Out	.put se	Ties recillicati				
Models		HY-GSU 10-20	HY-GSU 20-10	HY-GSU 36-6	HY-GSU 60-3.5	HY-GSU 100-2
Rated Output Voltage	V	10	20	36	60	100
Rated Output Current	А	20	10	6	3.5	2
Rated Output Power	W	200	200	216	210	200
Efficiency	%	77.5	79	80.5	80.5	81
Constant Pressure Mode (CV Mode)			1	I		1
Output Range Can Be Set	V		0- Rated (Dutput Value		
Input Adjustment Rate	mV		0.01% +2mV of ra	ted output voltage		
Load Adjustment Rate	mV		0.01% +2mV of rat	ed output voltage		
Maximum Compensation Voltage For Telemetry	V	1	1	2	3	5
Ripple Effective Value rms (5Hz -1MHz)	mVrms	5	6	6	7	8
Noise Peak-To-Peak Value p-p (20 MHz)	mVpp	50	50	50	50	80
Output Voltage Rise Time10-90%	ms	15	30	30	50	50
Output Voltage Drop Time (Full Load)90-10%	ms	12	25	30	40	50
Output Voltage Drop Time	ms	210	250	320	380	1200
(No Load)	IIIS		tput voltage is restored			
Transient Response Time	ms		is voltage is restored is voltage setting range: 10	10-90% of the rated valu	ie.	,
Constant Current Mode (CC Mode)						
Output Range Can Be Set	А		0- Rated 0	Output Value		
Input Adjustment Rate	mA		0.01% +2mA of the r	rated output current		
Load Adjustment Rate	mA		0.02% +5mA of the r	rated output current		
Ripple Effective Value rms(5Hz -1MHz)	mArms	25	15	8	4	3
DC 400W Low Voltage Output Series Technical Parameters						
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Models		HY-G 10-40	HY-G 20-20	HY-G 36-12	HY-G 60-7	HY-G 100-4
Rated Output Voltage	V	HY-G 10-40	HY-G 20-20 20	36	60	100
Rated Output Voltage Rated Output Current	V	HY-G 10-40 10 40	HY-G 20-20 20 20	36 12	60	100
Rated Output Voltage Rated Output Current Rated Output Power	V A W	HY-G 10-40 10 40 400	HY-G 20-20 20 20 400	36 12 432	60 7 420	100 4 400
Rated Output Voltage Rated Output Current Rated Output Power Efficiency	V	HY-G 10-40 10 40	HY-G 20-20 20 20	36 12	60	100
Rated Output Voltage Rated Output Current Rated Output Power	V A W	HY-G 10-40 10 40 400	HY-G 20-20 20 20 400 83	36 12 432 85	60 7 420	100 4 400
Rated Output Voltage Rated Output Current Rated Output Power Efficiency	V A W	HY-G 10-40 10 40 400	HY-G 20-20 20 20 400 83	36 12 432 85 Output Value	60 7 420	100 4 400
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode)	V A W %	HY-G 10-40 10 40 400	HY-G 20-20 20 20 400 83	36 12 432 85	60 7 420	100 4 400
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set	V A W %	HY-G 10-40 10 40 400	HY-G 20-20 20 20 400 83 0- Rated 0	36 12 432 85 Output Value	60 7 420	100 4 400
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate	V A W %	HY-G 10-40 10 40 400	HY-G 20-20 20 20 400 83 0- Rated 0	36 12 432 85 Output Value ted output voltage	60 7 420 85	100 4 400
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage	V A W 96	HY-G 10-40 10 40 400 82	HY-G 20-20 20 20 400 83 0- Rated 0 0.01% +2mV of rat	36 12 432 85 Output Value ted output voltage ted output voltage	60 7 420 85	100 4 400 86
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry	V A W 9% V mV T V V	HY-G 10-40 10 40 400 82	HY-G 20-20 20 20 400 83 0- Rated C 0.01% +2mV of rat 1	36 12 432 85 Output Value ted output voltage ted output voltage 2	60 7 420 85	100 4 400 86
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90%	V A W % V MV TMV V MVrms	HY-G 10-40 10 40 400 82	HY-G 20-20 20 400 83 0- Rated 0 0.01% +2mV of rat 1 6	36 12 432 85 Output Value ted output voltage ted output voltage 2 6	60 7 420 85	100 4 400 86
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10%	V A W % V mV mV V mVrms mVpp	HY-G 10-40 10 40 400 82 1 5 50	HY-G 20-20 20 20 400 83 0- Rated C 0.01% +2mV of rat 1 6 50	36 12 432 85 Dutput Value ted output voltage ted output voltage 2 6 50	60 7 420 85 3 7 50	100 4 400 86 5 8
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time	V A W % V mV mV v mVrms mVpp ms	HY-G 10-40 10 40 400 82 1 5 10 210	HY-G 20-20 20 400 83 0- Rated 0 0.01% +2mV of rat 1 6 50 30 10 250	36 12 432 85 Dutput Value ted output voltage red output voltage 2 6 50 30 15 320	60 7 420 85 3 7 50 50 30 380	100 4 400 86 5 8 80 50 50 1200
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time	V A W 9% V mV mV v mVrms mVpp ms ms	1 5 50 15 10 210 The time when the out	HY-G 20-20 20 400 83 0- Rated 0 0.01% +2mV of rat 1 6 50 30 10 250 utput voltage is restored	36 12 432 85 Dutput Value ted output voltage ted output voltage 2 6 50 30 15 320 to within 0.5% of the rated value	60 7 420 85 3 7 50 50 30 380 ed voltage. The variation re.	100 4 400 86 5 8 80 50 50 1200 of the output current
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load)	V A W 9% V mV mV v mVrms mVpp ms ms	1 5 50 15 10 210 The time when the out	HY-G 20-20 20 400 83 0- Rated C 0.01% +2mV of rat 1 6 50 30 10 250 utput voltage is restored is	36 12 432 85 Dutput Value ted output voltage ted output voltage 2 6 50 30 15 320 to within 0.5% of the rated value	60 7 420 85 3 7 50 50 30 380 ed voltage. The variation re.	100 4 400 86 5 8 80 50 50 1200 of the output current
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Brise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time	V A W 9% V mV mV v mVrms mVpp ms ms	1 5 50 15 10 210 The time when the out	HY-G 20-20 20 400 83 0- Rated 0 0.01% +2mV of rat 1 6 50 30 10 250 utput voltage is restored is voltage setting range: 10	36 12 432 85 Dutput Value ted output voltage ted output voltage 2 6 50 30 15 320 to within 0.5% of the rated value	60 7 420 85 3 7 50 50 30 380 ed voltage. The variation re.	100 4 400 86 5 8 80 50 50 1200 of the output current
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time	V A W 9% V mV mV V mVrms mVpp ms ms ms	1 5 50 15 10 210 The time when the out	HY-G 20-20 20 400 83 0- Rated C 0.01% +2mV of rat 1 6 50 30 10 250 utput voltage is restored is voltage setting range: 10 0- Rated C	36 12 432 85 Dutput Value ted output voltage red output voltage 2 6 50 30 15 320 to within 0.5% of the rated 10-90% of the rated value-100%, local sampling. Co	60 7 420 85 3 7 50 50 30 380 ed voltage. The variation re.	100 4 400 86 5 8 80 50 50 1200 of the output current
Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time Constant Current Mode (CC Mode) Output Range Can Be Set	V A W % W % W W W W W W W W W W W W W W W	1 5 50 15 10 210 The time when the out	HY-G 20-20 20 400 83 0- Rated C 0.01% +2mV of rat 1 6 50 30 10 250 utput voltage is restored is voltage setting range: 10- 0- Rated C 0.01% +2mA of the rate	36 12 432 85 Dutput Value ted output voltage ted output voltage 2 6 50 30 15 320 to within 0.5% of the rated valu-100%, local sampling. Coutput Value	60 7 420 85 3 7 50 50 30 380 ed voltage. The variation re.	100 4 400 86 5 8 80 50 50 1200 of the output current

DC 600W Low Voltage Output Series Technical Parameters

Models		HY-GSU 10-60	HY-GSU 20-30	HY-GSU 36-18	HY-GSU 60-10	HY-GSU 100-6
Rated Output Voltage	V	10	20	36	60	100
Rated Output Current	А	60	30	18	10	6
Rated Output Power	W	600	600	648	600	600
Efficiency	%	83	86	87	87	87
Constant Pressure Mode (CV Mode)						
Output Range Can Be Set	V		0- Rated (Output Value		
Input Adjustment Rate	mV		0.01% +2mV of ra	ted output voltage		
Load Adjustment Rate	mV		0.01% +2mV of rat	ed output voltage		
Maximum Compensation Voltage For Telemetry	V	1	1	2	3	5
Ripple Effective Value rms (5Hz -1MHz)	mVrms	5	5	5	12	15
Noise Peak-To-Peak Value p-p (20 MHz)	mVpp	50	50	50	50	80
Output Voltage Rise Time10-90%	ms	50	50	50	50	100
Output Voltage Drop Time (Full Load)90-10%	ms	25	25	25	25	80
Output Voltage Drop Time (No Load)	ms	285	425	450	570	1370
Transient Response Time	ms	The time when the output voltage is restored to within 0.5% of the rated voltage. The variation of the output current is 10-90% of the rated value. Output voltage setting range: 10-100%, local sampling. Output models below 100V: < 1ms				
Constant Current Mode (CC Mode)						
Output Range Can Be Set	А		0- Rated (Output Value		
Input Adjustment Rate	mA		0.01% +2mA of the i	rated output current		
Load Adjustment Rate	mA		0.01% +5mA of the r	rated output current		
Ripple Effective Value rms(5Hz -1MHz)	mArms	150	75	25	8	5

DC 800W Low Voltage Output Series Technical Parameters

Models		HY-G 10-72	HY-G 20-40	HY-G 36-24	HY-G 60-14	HY-G 100-8	
Rated Output Voltage	V	10	20	36	60	100	
Rated Output Current	А	72	40	24	14	8	
Rated Output Power	W	720	800	864	840	800	
Efficiency	%	83	86	87	87	87	
Constant Pressure Mode (CV Mode)							
Output Range Can Be Set	V		0- Rated (Output Value			
Input Adjustment Rate	mV		0.01% +2mV of ra	ted output voltage			
Load Adjustment Rate	mV		0.01% +2mV of rat	ed output voltage			
Maximum Compensation Voltage For Telemetry	V	1	1	2	3	5	
Ripple Effective Value rms (5Hz -1MHz)	mVrms	5	5	5	12	15	
Noise Peak-To-Peak Value p-p (20 MHz)	mVpp	50	50	50	60	80	
Output Voltage Rise Time10-90%	ms	50	50	50	50	100	
Output Voltage Drop Time (Full Load)90-10%	ms	25	25	25	25	80	
Output Voltage Drop Time (No Load)	ms	285	425	450	570	1370	
Transient Response Time	ms	The time when the output voltage is restored to within 0.5% of the rated voltage. The variation of the output current is 10-90% of the rated value. Output voltage setting range: 10-100%, local sampling. Output models below 100V: < 1ms					
Constant Current Mode (CC Mode)							
Output Range Can Be Set	А		0- Rated (Output Value			
Input Adjustment Rate	mA		0.01% +2mA of the i	rated output current			
Load Adjustment Rate	mA		0.02% +5mA of the	rated output current			
Ripple Effective Value rms (5Hz -1MHz)	mArms	180	100	31	28	12	

HY-GSU Series Technical Parameters

DC 200W High Voltage Output Series Technical Parameters							
Models		HY-GSU 160-1.3	HY-GSU 320-0.65	HY-GSU 650-0.32			
Rated Output Voltage	V	160	320	650			
Rated Output Current	А	1.3	0.66	0.32			
Rated Output Power	W		208W				
Efficiency	%	81	81	81			
Constant Pressure Mode (CV Mode)							
Output Range Can Be Set	V	0- Rated Output Value					
Input Adjustment Rate	mV	0.01% of the rated output voltage					
Load Adjustment Rate	mV	0.01% of the rated output voltage					
Maximum Compensation Voltage For Telemetry	V	5	5	5			
Ripple Effective Value rms (5Hz -1MHz)	mVrms	10	25	60			
Noise Peak-To-Peak Value p-p (20 MHz)	mVpp	100	10	250			
Output Voltage Rise Time10-90%	ms	110	170	170			
Output Voltage Drop Time (Full Load)90-10%	ms	180	270	270			
Output Voltage Drop Time	ms	2	2.5	3			
(No Load) Transient Response Time	ms	,	 is restored to within 0.5% of the rated voltag is 10-90% of the rated value. voltage setting range: 10-100%, local sampli	•			
Constant Current Mode (CC Mode)		,					
Output Range Can Be Set	А		0- Rated Output Value				
Input Adjustment Rate	mA		0.02% of the rated output current				
Load Adjustment Rate	mA		0.09% of the rated output current				
Dipple Effective Value and 7511 11411	mArms						
Ripple Effective Value rms (5Hz -1MHz)	IIIAIIIS	1.2	0.8	0.5			
DC 400W High Voltage Ou		eries Technical Paramet	ters				
DC 400W High Voltage Ou	tput Se	eries Technical Paramet	HY-G 320-1.3	HY-G 650-0.64			
DC 400W High Voltage Ou Models Rated Output Voltage	tput Se	eries Technical Paramet HY-G 160-2.6 160	HY-G 320-1.3 320	HY-G 650-0.64 650			
DC 400W High Voltage Ou Models Rated Output Voltage Rated Output Current	tput Se	HY-G 160-2.6 160 2.6	HY-G 320-1.3 320 1.3	HY-G 650-0.64 650 0.64			
DC 400W High Voltage Ou Models Rated Output Voltage Rated Output Current Rated Output Power	tput Se	HY-G 160-2.6 160 2.6 416	HY-G 320-1.3 320 1.3 416	HY-G 650-0.64 650 0.64 416			
DC 400W High Voltage Out Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency	tput Se	HY-G 160-2.6 160 2.6	HY-G 320-1.3 320 1.3	HY-G 650-0.64 650 0.64			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode)	v A W	HY-G 160-2.6 160 2.6 416	HY-G 320-1.3 320 1.3 416 86	HY-G 650-0.64 650 0.64 416			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set	tput Se	HY-G 160-2.6 160 2.6 416	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value	HY-G 650-0.64 650 0.64 416			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate	V A W %	HY-G 160-2.6 160 2.6 416	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage	HY-G 650-0.64 650 0.64 416			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage	tput Se	HY-G 160-2.6 160 2.6 416	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value	HY-G 650-0.64 650 0.64 416			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry	V A W %	HY-G 160-2.6 160 2.6 416 86	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage	HY-G 650-0.64 650 0.64 416 86			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz)	V A W % V mV wv	HY-G 160-2.6 160 2.6 416 86	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25	HY-G 650-0.64 650 0.64 416 86			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz)	V A W % V mV wV mVrms mVpp	HY-G 160-2.6 160 2.6 416 86	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25 150	HY-G 650-0.64 650 0.64 416 86			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz)	V A W % V mV wv	HY-G 160-2.6 160 2.6 416 86	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25	HY-G 650-0.64 650 0.64 416 86			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time	V A W % V mV wv mVrms mVpp ms	## HY-G 160-2.6 160 2.6 416 86 5 10 100 80 100 2	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25 150 150 150 2.5	HY-G 650-0.64 650 0.64 416 86 5 60 250 150 3			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time	V A W % V mV mV worms mVpp ms ms	## HY-G 160-2.6 160 2.6 416 86 5 10 100 80 100 2 The time when the output voltage	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25 150 150 150 2.5 is restored to within 0.5% of the rated voltage is 10-90% of the rated value.	HY-G 650-0.64 650 0.64 416 86 5 60 250 150 3 e. The variation of the output current			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load)	V A W % V mV mV mV mV mS mVpp ms ms	## HY-G 160-2.6 160 2.6 416 86 5 10 100 80 100 2 The time when the output voltage	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25 150 150 150 2.5 is restored to within 0.5% of the rated voltage	HY-G 650-0.64 650 0.64 416 86 5 60 250 150 3 e. The variation of the output current			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time	V A W % V mV mV mV mV mS mVpp ms ms	## HY-G 160-2.6 160 2.6 416 86 5 10 100 80 100 2 The time when the output voltage	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25 150 150 150 2.5 is restored to within 0.5% of the rated voltage is 10-90% of the rated value.	HY-G 650-0.64 650 0.64 416 86 5 60 250 150 3 e. The variation of the output current			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time	V A W % V mV wV mVrms mVpp ms ms ms	## HY-G 160-2.6 160 2.6 416 86 5 10 100 80 100 2 The time when the output voltage	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25 150 150 150 2.5 is restored to within 0.5% of the rated voltage is 10-90% of the rated value. voltage setting range: 10-100%, local sampli	HY-G 650-0.64 650 0.64 416 86 5 60 250 150 3 e. The variation of the output current			
Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Bise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time Constant Current Mode (CC Mode) Output Range Can Be Set	V A W % V mV mV mV mV ms ms A	## HY-G 160-2.6 160 2.6 416 86 5 10 100 80 100 2 The time when the output voltage	HY-G 320-1.3 320 1.3 416 86 0- Rated Output Value 0.01% of the rated output voltage 0.01% of the rated output voltage 5 25 150 150 150 2.5 is restored to within 0.5% of the rated voltagis 10-90% of the rated value. voltage setting range: 10-100%, local sampli	HY-G 650-0.64 650 0.64 416 86 5 60 250 150 3 e. The variation of the output current			

DC 600W High Voltage Ou						
Models		HY-GSU 160-4	HY-	SSU 320-2	I	HY-GSU 650-1
Rated Output Voltage	V	160		320		650
Rated Output Current	А	4		2		1
Rated Output Power	W	640		640		650
Efficiency	%	88.5		88.5		88.5
Constant Pressure Mode (CV Mode)						
Output Range Can Be Set	V					
Input Adjustment Rate	mV		0.01% of the	rated output voltage		
Load Adjustment Rate	mV		0.01% of the	rated output voltage		
Maximum Compensation Voltage For Telemetry	V	5		5		5
Ripple Effective Value rms (5Hz -1MHz)	mVrms	10		30		60
Noise Peak-To-Peak Value p-p (20 MHz)	mVpp	100		150		250
Output Voltage Rise Time10-90%	ms	55		75		75
Output Voltage Drop Time (Full Load)90-10%	ms	65		85		85
Output Voltage Drop Time (No Load)	ms	2		2.5		3
Transient Response Time	ms	The time when the output v	oltage is restored to withi is 10-90% Output voltage setting ran	of the rated value.		ation of the output current
Constant Current Mode (CC Mode)						
Output Range Can Be Set	А		0- Rated	Output Value		
Input Adjustment Rate	mA		0.02% of the	rated output current		
		0.09% of the rated output current				
Load Adjustment Rate	mA		0.09% of the	rated output current		
Load Adjustment Rate Ripple Effective Value rms(5Hz -1MHz)	mA mArms	2	0.09% of the	1.5		1
		2 HY-G 160-5	0.09% of the	·	2	1 HY-G 650-1.25
Ripple Effective Value rms(5Hz -1MHz)				1.5	2	
Ripple Effective Value rms (5Hz -1MHz) Models	mArms	HY-G 160-5	HY-G 320-2.5	1.5 HY-G 375-2.2	2	HY-G 650-1.25
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage	mArms V	HY-G 160-5 160	HY-G 320-2.5 320	1.5 HY-G 375-2.2	2	HY-G 650-1.25 650
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current	mArms V A	HY-G 160-5 160 4.7-5	HY-G 320-2.5 320 2.35-2.5	1.5 HY-G 375-2.2 375 2-2.2	2	HY-G 650-1.25 650 1.15-1.25
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power	W W	HY-G 160-5 160 4.7-5 752-800	HY-G 320-2.5 320 2.35-2.5 752-800	1.5 HY-G 375-2.2 375 2-2.2 750-825	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency	W W	HY-G 160-5 160 4.7-5 752-800	HY-G 320-2.5 320 2.35-2.5 752-800 89	1.5 HY-G 375-2.2 375 2-2.2 750-825	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode)	W W %	HY-G 160-5 160 4.7-5 752-800	HY-G 320-2.5 320 2.35-2.5 752-800 89	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set	W W %	HY-G 160-5 160 4.7-5 752-800	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rated	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate	W %	HY-G 160-5 160 4.7-5 752-800	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rated	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage	W V A W % W W W W W W W W W W W W W W W W W	HY-G 160-5 160 4.7-5 752-800 88.5	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rateo 0.01% of the	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry	W W % W W W W W W W W W W W W W W W W W	HY-G 160-5 160 4.7-5 752-800 88.5	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rated 0.01% of the 0.01% of the	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90%	W V A W % W W W W W W W W W W W W W W W W W	HY-G 160-5 160 4.7-5 752-800 88.5	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rates 0.01% of the 5 30	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5 30	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89 5 60
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz)	W % W W W W W W W W W W W W W W W W W W	HY-G 160-5 160 4.7-5 752-800 88.5	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rater 0.01% of the 0.01% of the 5 30 150	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5 30 150	2	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89 5 60 250
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time	W V A W % W W W W W W W W W W W W W W W W W	HY-G 160-5 160 4.7-5 752-800 88.5 5 10 100 45 55 2	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rated 0.01% of the 0.01% of the 5 30 150 55 65 2.5	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5 30 150 55 65 2.5		HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89 5 60 250 55 65 3
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time	W V A W % V mV mV v mV mV mV mV ms ms	HY-G 160-5 160 4.7-5 752-800 88.5 5 10 100 45 55 2 The time when the output was a second and a second a second and a second	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rated 0.01% of the 0.01% of the 5 30 150 55 65 2.5 roltage is restored to within is 10-90%	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5 30 150 55 65 2.5 10.5% of the rated voltage of the rated value.	ge. The varia	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89 5 60 250 55 65 3
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load)	W W % W W W W W W W W W W W W W W W W W	HY-G 160-5 160 4.7-5 752-800 88.5 5 10 100 45 55 2 The time when the output was a second and a second a second and a second	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rated 0.01% of the 0.01% of the 5 30 150 55 65 2.5 voltage is restored to withi	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5 30 150 55 65 2.5 10.5% of the rated voltage of the rated value.	ge. The varia	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89 5 60 250 55 65 3
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Current Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time	MArms V A W % V mV MV wV mVrms mVpp ms ms ms ms	HY-G 160-5 160 4.7-5 752-800 88.5 5 10 100 45 55 2 The time when the output was a second and a second a second and a second	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rated 0.01% of the 0.01% of the 5 30 150 55 65 2.5 voltage is restored to withing is 10-90% Output voltage setting range.	1.5 HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5 30 150 55 65 2.5 10.5% of the rated voltage of the rated value.	ge. The varia	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89 5 60 250 55 65 3
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time	W W % W W W W W W W W W W W W W W W W W	HY-G 160-5 160 4.7-5 752-800 88.5 5 10 100 45 55 2 The time when the output was a second and a second a second and a second	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rater 0.01% of the 0.01% of the 5 30 150 55 65 2.5 voltage is restored to within is 10-90% Output voltage setting ran 0- Rater	HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5 30 150 55 65 2.5 10.5% of the rated voltage ge: 10-100%, local sample	ge. The varia	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89 5 60 250 55 65 3
Ripple Effective Value rms (5Hz -1MHz) Models Rated Output Voltage Rated Output Power Efficiency Constant Pressure Mode (CV Mode) Output Range Can Be Set Input Adjustment Rate Load Adjustment Rate Maximum Compensation Voltage For Telemetry Ripple Effective Value rms (5Hz -1MHz) Noise Peak-To-Peak Value p-p (20 MHz) Output Voltage Rise Time10-90% Output Voltage Drop Time (Full Load)90-10% Output Voltage Drop Time (No Load) Transient Response Time Constant Current Mode (CC Mode) Output Range Can Be Set	W W % W W W W W W W W W W W W W W W W W	HY-G 160-5 160 4.7-5 752-800 88.5 5 10 100 45 55 2 The time when the output was a second and a second a second and a second	HY-G 320-2.5 320 2.35-2.5 752-800 89 0- Rated 0.01% of the 0.01% of the 5 30 150 55 65 2.5 voltage is restored to within is 10-90% Output voltage setting ran 0- Rated 0.02% of the	HY-G 375-2.2 375 2-2.2 750-825 89.5 Output Value rated output voltage rated output voltage 5 30 150 55 65 2.5 10.5% of the rated voltage of the rated value. ge: 10-100%, local sample	ge. The varia	HY-G 650-1.25 650 1.15-1.25 747.5-812.5 89 5 60 250 55 65 3

HY-GSU Series Technical Parameters

Stability And Temperature Coefficient

Temperature Drift (Rated Output Voltage/Current)	U: 0.01%	l: 0.01% (After 30 minutes of power on at a certain input voltage and load ambient temperature, 8 hours)
Temperature Coefficient (Rated Output Voltage/Current)	U: 50ppm/°0	C I: 70ppm/°C (30 minutes after power on)

Programming And Readback Accuracy & Resolution

Voltage Output Programming Accuracy	0.05% of the rated output voltage
Current Output Programming Accuracy	0.1% of the output current + 0.05% of the rated output current (in constant current programming mode, the readback and monitoring accuracy do not include the influence of heating drift and load temperature change rate)
Voltage Setting Resolution	0.001 V (\$\left\(60 V \), 0.01 V (\$\left\(600 V \), 0.1 V (\$\left\(600 V \))
Current setting resolution	0.001 A (\$60 A),0.01 A (\$600 A),0.1 A (>600 A)
Voltage Output Read-Back Accuracy	0.05% of the rated output voltage
Current Output Read-Back Accuracy	0.1% of the output current + 0.05% of the rated output current (in constant current programming mode, the readback and monitoring accuracy do not include the influence of heating drift and load temperature change rate)
Voltage Read Back Resolution	0.00001 V (≤ 10 V),0.0001 V (≤ 100 V), 0.001 V (100 V < U ≤ 1000 V), 0.01 V (>1000 V)
Current Read Back Resolution	0.00001 A (≤ 10 A), 0.0001 A (≤ 100 A), 0.001 A (100 A < I ≤ 1000 A)

Protection Function

OVP Overvoltage Protection Setting Range	10-110%, beyond the limit output immediately off
OCP Overcurrent Protection Setting Range	0-105%, beyond the limit output immediately off
OTP Overtemperature Protection	Output beyond the limit is turned off immediately
OPP Overpower Protection	10-110%, beyond the limit output immediately off

Environmental Condition

Environment	Indoor use; Installation overvoltage class: II; Pollution level: P2; Class II equipment
Operating Ambient Temperature	0°C to 50°C
Storage Ambient Temperature	-20°C to 65°C,
Working Ambient Humidity	20%-90% RH, no dew formation, continuous operation
Storage Environment Humidity	10% - 95% RH, no dew formation
Altitude	Above 2000 meters above sea level, every 100 meters up, the power will be reduced by 2%, or reduce the maximum working ambient temperature by 1°C per 100 meters; When not in operation, the altitude can reach 12,000 meters
Cooling	Forced air cooling, intelligent speed regulating fan, front/side air inlet, rear air outlet
Noise	≤ 65dB(A), use 1 m to weighted measurement

Appearance & Size

Control Panel

Display	LCD display, touch screen
Control Function	Flying shuttle knob adjustment,Output ON/OFF switch Vset, Iset, Output keys

Input Power Supply

Frequency	47 Hz - 63 Hz
Connection Mode	Single-phase two-wire + ground, wide input voltage range: 85~265VAC
Power Factor (Typical Value)	0.99(Single-Phase Input)

Size And Weight

Size	1U Half Wide Model:214(W)*457.5(D)*43.7(H)mm
Weight	≤ 3.5kg
Colour	RAL 7035

Front Panel



- 1) Power switch
- ② Air vent

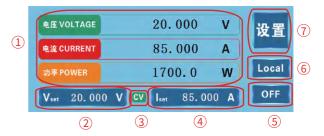
- ⑤ Adjustment knob
- 3 Liquid crystal display
- 6 Air vent
- 4 Voltage/current setting key
- **⑦ OUTPUT**

Rear Panel



- ① Communication port (Digital I/O)
- ② Analog control and monitoring interface
- ③ Telemetry interface
- 4 Isolation control and signal interface
- ⑤ RS232/RS485 communication port
- ⑥ Optional communication port (LAN/USB)
- ① Input port
- ® Positive and negative copper bar output ports

Liquid Crystal Display Screen



- ① Voltage, current, power read back display
- ② Set voltage
- ③ CC/CV switching
- 4 Set current
- ⑤ OFF key
- 6 Local key
- Setup

Power Semiconductor Customer













NGUNXIN 群而微电子

Changchun National Science Electrical industry

China Resources Microelectronics Shanghai Huinengtai Semiconductor

Yuexin Technology

Wishing to create technology

Group core microelectronics



irstack

Semight INSTRUMENTS

◎威宇佳

Shanghai Zhanxin

ÚniSiC

·D卓讯达科技

Hangzhou Zhongsi

Feishide

Suzhou Lianxun Instrument

Weiyujia Semiconductor Semiconductor

Chengxin Technology Zhuoxinda Technology

Enterprise In The Field Of Automotive Electronics















CATARC



China FAW **Group Corporation**



SAIC Motor

Saic Volkswagen





Weilai











Tesla Inc.







BYD



Valeo



polary



Lantu Automobile

吉利泛车



Xiaomi Automobile

HAOMO.AI



合众新能源

GEELY Automobile

Huichuan

Shanghai Tongmin

Ningde Age

Human Horizons

Hezhong New Energy

High-Tech R&D Enterprise















Huawei

FARATRONIC

Panasonic

EPCOS

TYCO

Weidmuller

Honeywell

Nader 限信电器





Schneider

noark 诺雅克



HONGFA



Nader









NOSRK





FLUKE:

FLUKE

























HILTI

BOSCH

Linde

NARI-TECHNOLOGY

Shanghai Electric

New Thunder Energy

Silan

Aerospace & Defense Military Industry Research Institute







AVIC





CETC



CSSC



CASC

CASIC

AECC

State-owned 741 Factory (Nanjing Huadong Electronics Group Co., LTD.)

Institute of Modern Physics, Chinese Academy of Sciences

CSIC

CASC 800 (Shanghai Aeros Research Institu	pace Precision Machinery) te
CASC 801 (Shanghai Institu	te of Space Propulsion)
CASC 803 (Shanghai Aeros	pace Control Technology Institute)
CASC 804 (Shanghai Aeros Equipment Rese	pace Electronic Communication parch Institute
CASC 805 (Shanghai Aeros	pace System Engineering Institute)
CASC 808 (Shanghai Precis	ion Measurement and Testing Institu
CASC 811 (Shanghai Space	Power Research Institute)
CASC 812 (Shanghai Satelli	te Equipment Research Institute
CASC 502 (Beijing Control E	Engineering Research Institute)
CASC 510 (Lanzhou Institut	e of Space Technology Physics)
CASC 203 (China Ordnance	Industry 203 Research Institute)
CASIC 206 (Beijing Machine	ry and Equipment Research Institute
CASIC 242 Factory (Lanz	nou Flight Control Co., LTD.)
CASIC 307 Factory (Aeros	space Chenguang Co., LTD.)
CASIC 33 (33 Aerospace Scientific CASIC 33 Aerospace Scientific CASIC 33 (33 Aerospace Scientific CASIC 33 Aerospace Scientific CASIC 34 Aerospace Sci	ence and Industry Institutes)

CASIC 3651 Factory (Shanghai Aerospace Control Technology)

AVIC 603 (AVIC Xi 'an Aircraft Design and Research Institute)

AVIC 613 (Luoyang Electro-Optical Equipment Research Institute) of Aviation Industry Corporation of China

AVIC 615 (Aeronautical Radio Electronics Research Institute of China)

AVIC 618 (Xi 'an Flight Automatic Control Research Institute of AVIQ

AVIC 631 (Aviation Computing Technology Research Institute of AVIQ)

ute) AVIC 105 Factory (Tianjin Aviation Electromechanical Co., LTD.)

AVIC 115 Factory (Shaanxi Aero Electric Co., LTD.)

AVIC 118 Factory (Shanghai Aviation Electric Appliance Co., LTD.)

AVIC 135 Factory (State-owned Wanli Electromechanical Factory)

AVIC 181 Factory (Wuhan Aviation Instrument Co., LTD.)

AVIC 304 (Beijing Great Wall Institute of Measurement and)

AVIC 307 (China Leihua Electronic Technology Institute)

Jiangnan Shipbuilding (Group) Co., LTD Nanjing Panda Electronics Co., LTD CETC 23 (Shanghai Transmission Line Research Institute)
CETC 36 (Gangnam Electronics and Communication)
Research Institute
CETC 38 (East China Institute of Electronic Engineering)
CETC 50 (Shanghai Microwave Technology Research Institute)
CETC 51 (Shanghai Microwave Equipment Research Institute)
CETC 54 (Shijiazhuang Communication Measurement and)
CETC 55 (Nanjing Institute of Electronic Devices)
CSIC 707 (Tianjin Institute of Marine Instruments)
CSIC 7107 (Shaanxi Aerospace Navigation Equipment Co., LTD.)
CSIC 719 (Wuhan Second Ship Design Institute)
CSIC 704 (Shanghai Marine Equipment Research Institute)
CSIC 726 (Shanghai Marine Electronic Equipment Research)

CETC 14 (Nanjing Institute of Electronic Technology)

CETC 21 (Shanghai Micromotor Research Institute)

Scientific Research & Third Party Quality Inspection Agency



Technical Institute of Physics and Chemistry (Beijing)
Institute of Urban Environment (Xiamen)
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The Chinese People's Liberation Army

South Sea Fleet

East China Sea Fleet

North Sea Fleet

Navy Factory 701 / Factory 702

4724 Factory (Shanghai Haiying Machinery Factory)

Unit 95861 (Air First Base)

5720 Factory of the People's Liberation Army of China

Commercial Aviation





Rockwell Collins

Commercial Aircraft Corporation of China



Ameco

Guangzhou Aircraft Maintenance Engineering Co., LTD

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Military Academies & Local Universities



national university of



defense technology Engineering University



Army Engineering University



air force engineering university



naval university of engineering



Dalian Naval Academy



Naval Aviation University



Beihang University



Beijing Institute of Technology



Harbin Institute of Technology



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Nanjing University of Aeronautics and Astronautics



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