

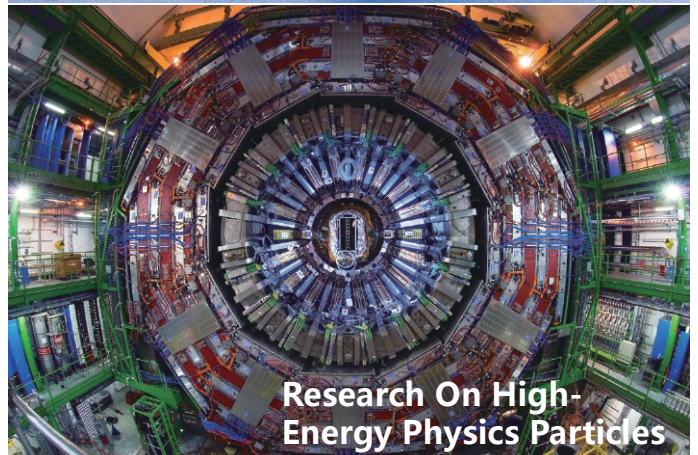
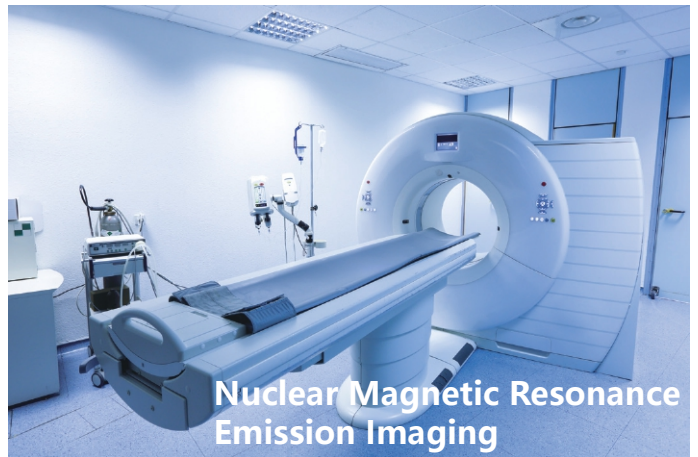
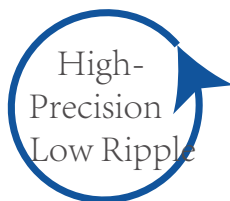


HY-UHS Series Ultra-High Stability Magnet Power Supply

Can provide various types of superconducting magnet coils for high/low temperature applications, as well as conventional magnet coils High stability magnet power supply with fully customized parameters and functional requirements.

HY-UHS Series Ultra-High Stability Magnet Power Supply

HY-UHS The series of ultra-high stability magnet power supplies have ultra-high stability Features such as scaling, low ripple, and high accuracy, including voltage and current Control mode, continuous and stable power supply, constructing ultra-high stability magnetic field Field, which can assist in clear MRI imaging and highly restore medicine Imaging provides professional and accurate imaging for medical applications and high-energy physics Test the solution. In addition, high power density combined with high accuracy And low ripple characteristics make the combined solution an ATE calibration Ideal choice for applications.



The Hangyu HY-UHS series ultra-high stability magnet power supply is mainly used in the field of radiation medicine and high-energy physics particle research. To achieve magnets The magnetic field generated by the coil is sufficiently stable, and the current stability and accuracy of the magnet power supply that provides power to the coil are particularly important. Hangyu Power Supply Provide fully customized high-precision magnet power supply, including various grades for high-temperature/low-temperature superconducting magnet power supply, conventional magnet and magnetic material testing High stability power supply.

The Customized Magnet Power Supply Covers The Following Indicators:

- Application types: conventional magnets, low-temperature superconductivity, high-temperature superconductivity, magnetic material testing:
- Current range: 0.1A-5000A optional
- Voltage range: 0-1500V optional
- Power range: 1KW -1000KW optional
- Time stability: 5ppm, 10ppm, 50ppm, 100ppm Long term stability optional
- Current setting resolution: 18Bit
- Current display resolution: 20Bit
- Temperature stability: varies depending on "air cooling" and "water cooling"
- Power polarity: unipolar, bipolar (polarity can be switched), bipolar four quadrant

Product Model Naming Rules

Product Series	Output Voltage	Output Current	Optional Function
HY-UHS	2000	500	CF
Series Name	The output voltage is 0-2000V	The output current is 0-500A	Short name for purchasing function Please refer to the purchasing function

Selection examples:
 Model: HY-UHS 2000-500-CF
 Output voltage 0-2000V,
 Output current 0-500A,
 Choose user defined features.

Purchasing Function

- SP Step/Step/Gradient Sequence Programming Function
- NCH Nrepresents numbers, CH represents channels
- PN Positive and negative switching
- ABD Anti backflow diode
- BD Anti reverse diode
- TVS Tvs
- AT Built in ISO 16750-2 testing standard (partial waveform)
- PS Power absorption (supported by some models and installed during factory shipment)
- HS High speed jump function (installed during factory shipment)
- HR High resolution/precision
- TP Three phase input, AC 380 V (5kW / 2U)
- T1 Operation temperature -10°C to 50°C
- T2 Operation temperature -20°C to 50°C
- T4 Operation temperature -40°C to 50°C
- CF User defined functions (please specify when ordering)
- MR Measurement report (issued by a third party certified by CNAS)

Purchasing Interface(Users Can Install It Themselves)

- IL CAN & USB Communication interface
- IG GPIB Communication interface
- IA Analog programming and monitoring interface (isolated type)
- LAN Ethernet communication interface

Model Selection Table

- In the selection table, special specifications beyond the voltage/current/power range are accepted for customization

Output Voltage	Output power (W) & Output current (A)						
	3U		2U				
	15kW	10kW	5kW	3600W	2500W	1600W	1000W
1500V	10A	6.7A	3.3A	2.4A	1.7A	1.1A	0.7A
1200V	12.5A	8.3A	4.2A	3A	2A	1.3A	0.8A
1000V	15A	10A	5A	3.6A	2.5A	1.6A	1A
800V	18.8A	12.5A	6.3A	4.5A	3.1A	2A	1.3A
600V	25A	16.7A	8.3A	6A	4.2A	2.7A	1.7A
500V	30A	20A	10A	7.2A	5A	3.2A	2A
400V	37.5A	25A	12.5A	9A	6.3A	4A	2.5A
350V	43A	28.6A	14.3A	10.3A	7A	4.6A	3A
300V	50A	33A	16.7A	12A	8.3A	5.3A	3.3A
250V	60A	40A	20A	14.4A	10A	6.4A	4A
200V	75A	50A	25A	18A	12.5A	8A	5A
150V	100A	66.7A	33.3A	24A	16.7A	10.7A	6.7A
100V	150A	100A	50A	36A	25A	16A	10A
80V	187.5A	125A	62.5A	45A	31A	20A	12.5A
60V	250A	166.7A	83A	60A	41.7A	26.7A	16.7A
40V	375A	250A	125A	90A	62.5A	40A	25A
30V	500A	333A	166.7A	120A	83A	53A	33A
20V	750A	500A	250A	180A	125A	80A	50A
10V		1000A	500A	360A	250A	160A	100A

Stability&Temperature Coefficient		
Temperature drift (rated output voltage/current)	U: 0.01%	I: 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/°C	I: 70ppm/°C (After 30 minutes of power on)
Programming And Read Back Accuracy & Resolution		
Voltage output programming accuracy	0.05% of rated output voltage, measured at telemetry points	
Current output programming accuracy	0.1% of output current+0.1% of rated output current	
Voltage setting resolution	0.01V (≤600 V) , 0.1V (> 600 V)	
Current setting resolution	0.01A (≤600 A) , 0.1A (> 600 A)	
Voltage output readback accuracy	Rated output voltage 0.05%	
Current output readback accuracy	Rated output current 0.3%	
Voltage read back resolution	0.001 V (≤ 100 V) , 0.01 V (100 V < U ≤ 1000 V) , 0.1 V (> 1000 V)	
Current read back resolution	0.001 A (≤ 100 A) , 0.01 A (100 A < I ≤ 1000 A)	
Protection Function		
OVP Overvoltage protection setting range	10 - 110%, Immediate shutdown of output beyond limit	
OCP Overcurrent protection setting range	0 - 105%, Immediate shutdown of output beyond limit	
OTP Over temperature protection	Immediate shutdown of output beyond limit	
Ambient Condition		
Environment	Indoor use; Installation overvoltage level: II; Pollution level: P2; Class II equipment	
Ambient Temperature	0°C to 50°C, optional -10°C to 50°C, -20°C to 50°C, -40°C to 50°C	
Storage environment temperature	-20°C to 65°C,	
Working environment humidity	20%-90% RH, No condensation, continuous operation	
Storage environment humidity	10% - 95% RH, No condensation	
Altitude	Above an altitude of 2000 meters, the power decreases by 2% for every 100 meters increase, or the maximum working environment temperature decreases by 1°C for every 100 meters; When not in operation, it can reach an altitude of 12000 meters	
Burial	Forced air cooling, intelligent variable speed fan, with air inlet on both sides and air outlet at the rear	
Noise	≤ 65dB(A), Weighted measurement with 1 m	
Control Panel		
Monitor	4 inches/7 inches, LCD display, touch screen	
Control function	Numeric key input, multi-level shuttle knob adjustment (outer circle coarse adjustment/inner circle fine adjustment), output ON/OFF switch, Lock keyboard and touch lock,Reset restart status indicator light (Shift/ Local / Remote / Alarm / Lock / Output)	
Input Power Supply		
Frequency	47 Hz - 63 Hz	
Connection	Single phase two wire+ground wire, 220 V ± 15% (- ST standard configuration model)	
Power factor (typical value)	0.99 (-ST) 0.94 (-TP)	

Official WeChat:
HY Power-cn



About Us

Hangyu Power was founded in 2011 and is a national high-tech enterprise. Located in Songjiang, the birthplace of the G60 Science and Technology Innovation Corridor in the Yangtze River Delta, for over a decade Strive to provide customers with accurate, intelligent, and convenient testing power solutions.

Our company adheres to the product positioning of "specialty, precision, specialty, and novelty", and On the basis of targeting the market demand for "import substitution", propose "poor The development strategy of "differentiated import substitution" and "high-quality manufacturing" is committed to Innovative development of testing power supply technology in China, promoting the rejuvenation of science and technology in China The national cause is thriving.

Hangyu Power Series products cover power semiconductors, automotive electronics Aerospace, Defense and Military Industry, Low Voltage Electrical Appliances, Medical, Sensors Capacitors, inductors, smart grids, airborne, shipborne, weapons, ships.

Radar, communication, rail transit, power electronics, and other testing and other disciplines In the field of research, we strive to achieve perfect import substitution, with excellent military quality and service,

Win unanimous praise from users.

Contact Us

Tel: +86 1380 1800 699

Email: sales@hangyupower.com
neo@hangyupower.com

Address: Building 9, No. 615 Lianhe Road, Songjiang District, Shanghai, China

website: www.hangyupower.com

2009	●	Establishing Shanghai Ouzu Electronics Brand
2010	●	Successfully delivered 400kVA high-power AC power supply
2011	●	Hangyu Power Supply was established and officially put into operation as a three-phase precision AC power supply and military Using a gyroscope to test the power supply, replacing Russian made products
2012	●	Formal production of programmable variable frequency power supply and AC constant current source
2013	●	Formal production of programmable AC/DC power supply and HY-AE excitation power supply
2014	●	Formal production of high-power bipolar testing power supply
2015	●	Formal production of HY-PM series and HY-GT series new models Dual phase/three-phase gyroscope power supply
2016	●	HY-HP series programmable high-power DC power supply officially put into operation
2017	●	HY-HV series programmable high-voltage DC power supply officially put into operation
2018	●	HY-CTL/CTS capacitor testing high-frequency high current testing power supply And successfully delivered 100kHz, 100Arms
2019	●	Official production of high-speed power supply for automotive electronic testing within 500kHz
2020	●	Officially put into operation LV123 new energy vehicle testing high-voltage ripple testing power supply
2021	●	HY-UHS series ultra-high stability magnet power supply officially put into operation
2022	●	HY-HVL series linear high-voltage programmable DC power supply officially put into operation

