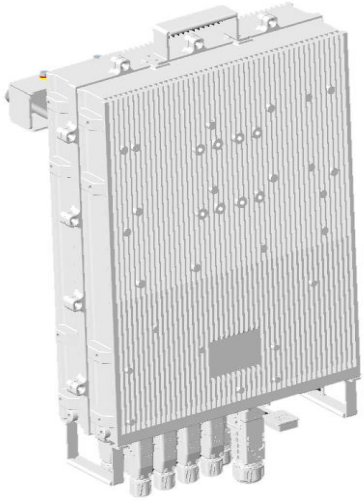
Reliable, High-efficiency and

SYP48-6000 is an intelligent power module supply specially designed for 4G and 5G micro base stations. Its small size, light weight, high reliability, high efficiency, free parameter setting, and high intelligence. It's convenient for fast outdoor deployment and installation.



SYP48-6000

Micro Base Station Intelligent Power System

Key Technical Characteristics

- High efficiency
- IP65
- Easy &multipul installation
  Online expansion
- Strong environmental adaptability
- Smart
  - ✓ Bluetooth + APP
  - ✓ 4G/485
- Intelligent operation

Telecommunications-Mobile/Wireless

- ✓ Micro base station
- ✓ LTE/4G/5G/WiMAX
- ✓ Microwave station
- ✓ Broadband support

Telecommunications-Maintenance

- ✓ Telecom business hall
- ✓ Indoor distribution
- ✓ Data room
- ✓ Broadband support
- ✓ Optical cable

Power Industry Control

- ✓ SCADA

Model	SYP48-6000
Power Input Parameters	
Rated input voltage	176~275 VAC
Input voltage range	85~300 VAC
Input frequency	45~66 Hz
Maximum input current	19 A_{RMS}
Input power factor	> 0.99 @ 50~100% load
Power Output Parameters	
Rated output voltage	53.5 VDC
Output voltage range	43.2~57.6 VDC
Maximum output power @ 230 VDC	6000W
Maximum output power @ 85 VDC	2600W
Load branch	30A*7 strings
Battery branch	Max. 80A*2 string
Communication Interface	DB15*2（RS485, CAN, dry contact）, GPS, 4G and Bluetooth
Other Parameters	
Efficiency @ rated input	> 95%
Insulation	3.0Kac-input to output, 1.5KVac-input to ground, 500Vdc-output to ground
Fault warning: red light	Mains power failure, high and low temperature protection, rectifier failure, output overvoltage failure, output low voltage failure, CAN bus communication failure
General warning: yellow light	Rectifier low power mode, battery current limit enabled, input voltage out of range, etc.
Normal operation: green light	
Cooling method	Natural cooling
IP rating	IP65
Running noise	< 20 dBA
MTBF(Telcordia SR-332)	> 100 000 hours (operating temperature 25℃)
Working temperature and humidity range	-40~+75℃，5~95% relative humidity
Storage temperature and humidity range	-40~+85℃，0~95% relative humidity
Dimensions(W*H*D)/ weight	340*430*120 (mm) /≤16.3kg
Design standards	
Electrical safety	YD/T3090-2016,YD/T731-2008.YD/T1058-2015, YD/T2344.1-2011,YD/T1051-2010,YD/T5186-2010, GB/T 13722-92
EMC	YD/T983-2013,GB 9254-2008,GB/T17626.2-2006,IEC 61000-4
Environment	GB 3096-2008, GB2894-2008, GB/T4208-2017, YD/T282-2000, GB/T 2423-1995