



上海稳压器厂
SHANGHAI
VOLTAGE REGULATOR PLANT

Stabilized Power supply Expert 稳定电源专家



UPS不间断电源系列
uninterruptible power supply series



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工业用UPS电源YM系列

YM Series Industrial UPS Power Supply

产品概述

Product Overview

YM系列三单UPS是以全新的数字技术研制出的第四代工频纯在线式三进单出UPS。采用在线式双变换电路设计，内部采用模块化设计，结构简明、流畅、清晰。DC/AC逆变器采用SPWM脉宽调制设计、第六代IGBT功率模块以及输出隔离变压器，使UPS的输出为一个稳频稳压、纯净、不受电网波动干扰的正弦波电源。

The YM series 3 phase UPS series is a fourth-generation industrial-frequency pure online UPS developed with cutting-edge digital technology. It features a dual-conversion online circuit design and adopts a modular internal structure, ensuring a concise, streamlined, and clear layout. The DC/AC inverter utilizes SPWM technology, sixth-generation IGBT power modules, and an output isolation transformer, delivering a stable, clean sinusoidal power output that is immune to grid fluctuations.

主要特性

Key Features

1. 双变换在线式设计，标配输出隔离变压器；
Dual-conversion online design standard output isolation transformer
2. 宽输入电压设计，卓越的电网适应能力；
Wide input voltage design, excellent grid adaptability
3. 零切换时间，纯净正弦波输出；
Zero switching time, pure sine wave output
4. 耐用可靠的工业设计，超强的负载兼容性；
Durable and reliable industrial design, super load compatibility
5. 具备软启动功能，发电机兼容性好，且具有直流应急启动功能；
Equipped with a soft-start function, excellent generator compatibility, and a DC emergency start capability.
6. 完善的电池管理技术，采用先进的均浮充自动转换的充电技术，节省充电时间，延长电池的使用寿命；
Advanced battery management technology featuring automatic switch between equalizing and floating charge modes, reducing charging time while extending battery service life.
7. 亲善的人机界面设计，采用LCD显示+LED指示（DC360机型采用7寸彩色触摸屏）；
User-friendly HMI design featuring an LCD display + LED indicators (DC360 model equipped with a 7-inch color touchscreen).
8. 无人值守功能：可在断电恢复后自动启动；
Unattended function: can automatically start after power failure
9. 完全满足负载从0到100%的跃变。
Fully meet the load step change from 0 to 100%

应用范围

Applications

1. 网络设备、计算机房；
Network equipment, computer room
2. 工业控制、自动化生产设备；
Industrial control, automated production equipment
3. 发射机站、控制室、医疗仪器设备；
Transmitter stations, control rooms, medical equipment
4. 监控、保安系统、资讯中心；
Monitoring, security systems, information centers
5. 工矿设备、化工、石化生产设备；
Industrial and mining equipment, chemical and petrochemical production equipment
6. 其他不允许断电之贵重设备。
Other valuable equipment that cannot be powered off



技术参数 Technical Parameter

型号 / Model	YM3110	YM3115	YM3120	YM3130	YM3140	YM3160
额定容量 (KVA) Rated Capacity(KVA)	10KVA/8kW	15KVA/12kW	20KVA/16kW	30KVA/24kW	40KVA/32kW	60KVA/48kW
输入 Input						
额定电压 Rated Voltage	380VAC					
输入制式 Input format	3Ph+N+PE					
输入电压范围 Input Voltage Range	380VAC ± 25%					
输入频率范围 Input Frequency Range	50/60Hz ± 10%					
输出 Output						
输出电压 Output Voltage	220VAC ± 1%					
输出制式 Output format	L+N+PE					
输出频率 (电池模式) Output Frequency (Battery Mode)	50/60Hz ± 0.5%					
功率因数 Power Factor	0.8					
波形失真度 Waveform Distortion	< 3% (线性负载) < 3%(linear load)					
过载能力 Overload Capacity	125%1min ; 150%1s					
切换时间 Switching Time	0ms					
电池 Battery						
电池电压 Battery Voltage	16节	16节/30节(28-32节可调) 16pcs/30pcs (28-32pcs adjustable)		30节(28-32节可调) 30pcs(28-32pcs adjustable)		
使用环境 Usage Environment						
运行环境温度 Operating Ambient Temperature	0-40℃					
相对湿度 Relative Humidity	20-90% (无凝露) 20-90%(no condensation)					
海拔 Altitude	< 2000m (每增高100m降容1%) < 2000m(Derating 1% per 100m altitude increase)					
噪音 Noise	<55dB (距离箱体1m处) <55dB(1m away from the cabinet)					
物理参数 Physical parameters						
尺寸: Dimension: (W*D*H)mm	305*645*770		405*710*980 450*660*1050	450*660*1050	500*860*1150	
重量: kg Weight:	125	145	200	250	350	400

注: 1. 本系列机型均需外接电池。

2. 现行产品规格若有变更, 不再另行通知。

Note: 1. All models in this series require external batteries.

2.Current product specifications are subject to change without further notice.



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地址/Address: 上海市松江区文翔东路58号
No.58 East Wenxiang Road, Songjiang District, Shanghai
电话/Phone: 4001868989 021-64108585
传真/Fax: 021-6454 3587
网址/Website: www.csvrp.com

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We reserve the right of final interpretation for this product.

The product description or design is subject to change without prior notice.