

FusionPower Series

(UPS5000-S-200kVA-IPB IP42)



Introduction

UPS5000-S-(40-200kVA)-IPB is a UPS solution which has high protection level(IP42) and can be used in rail transit scenario, this solution can achieve high efficiency up to 97% and use iPower technology to enhance system reliability.

Application Scenario

- Rail transit scenarios
- Light industry

Features

Reliable

- All module redundant design
- IP42 high level protection and EMC C2 standard design to make sure the system working normally

Efficient

- High efficiency up to 97%, OPEX saving
- Intelligent hibernation mode to make sure UPS always working in good efficiency load range

Simple

- Modular design, easy to maintain and expand
- High power density, 200kVA in one cabinet, space saving and easy to deploy
- Strong charge current can meet long backup time requirement



Power Module: 40kVA/3U



UPS5000-S-(40-200kVA)-IPB

Specifications

Product Model		UPS5000-S-(40-200kVA)-IPB
Capacity		40-200kVA
Input	Rated Voltage	380/400/415 Vac
	Input Wiring	3Ph+N+PE
	Voltage Range	138-485V
	Frequency Range	40-70Hz
	THDi	THDi < 3% (100% linear load)
	Input Power Factor	100% load>0.99
Bypass	Rated Voltage	380/400/415 Vac
	Input Wiring	3Ph+N+PE
	Input Frequency	± 6Hz
Battery	Battery Voltage	30-50 adjustable (40 default for 12V)
Output	Rated Voltage	380/400/415 Vac
	Output Frequency	Tracking the bypass input(Online Mode); 50/60 Hz ± 0.1%(Battery Mode)
	Output Wiring	3Ph+N+PE
	Output Waveform	Sine wave (THDv < 1% for linearload;)
	Efficiency	97%
	Output Power Factor	0.9
	Parallel Support	2 in parallel
Environment	Overload Capability	Inverter overload: 100%<load≤110%@60min 110%<load≤125%@10mins
	Operating temperature	0~40°C
	Storage temperature	-40~70°C
	Relative Humidity	0~95%(no condensing)
	Maximum operating altitude	1000 m. Above 1000 m, derating according to IEC62040-3
Others	Enclosure Protection level	IP42
	Weight	≤600kg
	Dimension (Height × Width × Depth)	2000mm × 600mm × 850mm
	Communication	Enclosure Protection level
	Standard	EN/IEC 62040-1, EN/IEC 62040-2, EN/IEC 62040-3, EN50121-5 , TLC, CE, CB, RoHS, Reach, WEEE etc.

Remark: For important systems that are related to important economic interests or public security, such as civil aviation management center, financial clearing center, and trading center, the Tier IV or Tier III power supply level specified in T1942 must be used. That is, two UPSs form dual-bus power supply or the UPS and mains form dual-bus power supply.