

BOT-DL series

3 Phase In/1 Phase Out Industrial Power Online UPS



Capacity

10k-100kVA

Parallel capability to 1000kVA

Feature

- True double conversion
- High IP protection level
- Input and output isolation transformer
- Adopt full digital control technology
- LED+LCD colour liquid crystal large display screen
- Intelligent detection and monitoring function
- Optional dry contact interface
- Optional input harmonic filter or 12 pulse rectifier
- Perfect protection function
- Extremely wide input voltage range
- RPA (Redundant Parallel Association) function
- Parallel system adopts advanced synchronous equalisation control technology.
- All circuit boards are made of triple-proof technology
- Optional Wi-Fi function, intelligent monitoring of UPS power supply equipment by mobile phone or tablet PC.

Application

The environment is relatively harsh industrial sites, such as subways, power plants, smelting, drilling platforms, navigation, chemicals, ceramics, jewellery processing and other fields.

Introduction

BOT-DL series are 3 Phase In/1 Phase Out high-reliability industrial power UPS developed for harsh industrial environments such as electric power systems, power stations, transmission systems, smelting, chemical industry, ceramics and oilfields, etc. The BOT-DL series of UPS has a capacity of 10kVA~100kVA, adopts full digital control technology, and uses low-loss, high-power IGBT power devices, which has a strong overload capacity and a perfect detection and protection function; a large English LCD touch screen is applied, and a standard English LCD touch screen is provided. With the application of Chinese and English large-screen LCD touch screen, standard RS232 interface, optional SNMP network adapter card or RS485 card, etc., to achieve centralised monitoring and remote monitoring of the UPS; with RPA (Redundant Parallel Associated) function, 32 UPS can be realised in parallel; designed for more than 15 years of service life.

Industrial Power UPS

Technical Specification

Model	BOT-DL 10KL	BOT-DL 15KL	BOT-DL 20KL	BOT-DL 25KL	BOT-DL 30KL	BOT-DL 40KL	BOT-DL 50KL	BOT-DL 60KL	BOT-DL 80KL	BOT-DL 100KL
Capacity (kW)	8	12	16	20	24	32	40	48	64	80
Input										
Input voltage range (V a.c)	380±25%									
Frequency range (Hz)	50±10%									
Power factor	≥0.9									
Output										
Voltage & regulation (V a.c)	1 Phase 220±0.5%; 220V±3%@regulating bypass voltage									
Frequency range (Hz)	Synchronous mode, 50/60±0.5%; Inverter mode, 50/60±0.1%									
Harmonic distortion (THDV%)	Pure sinewave, ≤2% THD (linear load); ≤4% THD (non-linear load)									
Overload capability	overload 125% 10min; overload 150% 60S									
Current crest ratio	5:1									
Parallel load current imbalance	<5%									
DC System										
DC voltage (V d.c)	220 (Customizable 192VDC, 384VDC)									
Type	DC screen input or sealed maintenance-free battery pack input									
Backup time (min)	Determined by DC panel or battery pack capacity									
System										
Transfer time (mS)	AC↔Batt.: 0; Inverter↔Bypass: <2									
IP protection	IP31 (Customizable)									
Efficiency	≥90% (Inverter full load); ≥97% (ECO mode)									
Noise (dB)	<55@1m	<55@1m	<55@1m	<55@1m	<55@1m	<60@1m	<60@1m	<60@1m	<60@1m	<60@1m
Environment										
Operating temperature (°C)	0~45 (Customizable for special circumstances)									
Operating humidity	0-95% (non-condensing)									
Altitude (m)	≤4000									
Physical										
Dimension [W x D x H] (mm)	800 x 600 x 2260					1000 x 800 x 2200				
Net weight (ka)	250	280	320	350	390	420	460	520	600	680

- Special specification models can be customised according to customer requirements.
- With "L" for long-run machine with battery external..
- Built-in intelligent monitoring function.
- Product specifications are subject to change without further notice.