



Online UPS For Industrial Application

Single Phase & Three Phase

PRODUCT FEATURES

- Double / Triple Conversion UPS
- DSP / MCU intelligent control
- Advanced multi resonant, 2VS IGBT rectifier technology/ 6 pulse charging
- Low output voltage THD
- Wide input voltage range
- Both audible and visual lamp alarm function
- LCD & LED user interface
- Inbuilt Isolation transformer
- Generator compatible
- High efficiency
- Low maintenance
- EMI / RFI noise filter
- Long Life
- Flexibility of configurable battery quantity
- Parallel Redundancy (Optional)
- SNMP card (Optional) / RS 232
- Lightning and surge protection (Optional)



Double / Triple
Conversion UPS



Generator
Compatible



DSP / MCU Intelligent
Control



High
Efficiency

APPLICATIONS

Computer, communication equipment, medical equipment, laser cutting machines, CNC machines, data servers, sensitive lab equipment, process control and analytical instruments, etc

An ISO 9001: 2015, 14001 : 2015, 45001 : 2018 Company



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TECHNICAL SPECIFICATIONS

Model :	D 11 (1 Phase in 1 Phase out)	D 31 (3 Phase in 1 Phase out)	D 33 (3 Phase in 3 Phase out)
Capacity:	1 KVA - 10 KVA	5 KVA - 40 KVA	5 KVA - 600 KVA
INPUT			
Range	160V - 270V \pm 5 V	300 V - 460 V \pm 5 V	
Phase	1 Phase	3 Phase 4 Wire	
Frequency	50 Hz \pm 5%		
Bypass	Manual (Optional Static bypass)		
DC voltage	48 V - 192 V DC	48V - 384V	
OUTPUT			
Voltage	220 / 230 V AC	380 / 400 / 415 V AC	
REGULATION			
Steady-State	\pm 1% of nominal input		
Transient	\pm 5% of nominal for 100% load step or loss		
Recovery Time	40 millisecond		
FREQUENCY			
Sync Window	0.5 Hz to 3 Hz (synchronized to input)		
Free Running	\pm 1%		
Power factor	0.8 / 0.9 lag for specified regulation and rating		
Efficiency	Normal 90% (ECO Mode 95% (\pm 5%))		
VOLTAGE DISTORTION			
Linear load	< 3% THD		
Non Linear load	< 5% THD		
TECHNOLOGY			
Device Used	IGBT Module		
Crest Factor	> 3:1		
PROTECTIONS			
GENERAL WARNING	Input / Output Low & High, Output overload, Short-circuit, Battery low		
AUDIBLE WARNING	Input / Output Low & High, Output overload, Battery low		
VISUAL INDICATION	Input, Bypass, Output overload, Battery low		
LCD Display	Input voltage, Output voltage, Output load %, Battery Voltage		
OTHERS			
Isolation	Galvanic Isolation Transformer		
ENVIRONMENTAL			
Temperature	0°C to 45°C (4°F to 104°F)		
Humidity	5% to 95%		
Audible noise	< 45 dBA		

*Specifications are subject to change without prior notice due to continuous change in technology.