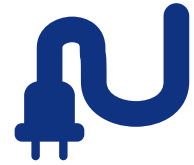


HT3-3-Series



Versatile Uninterruptible Power Supply from 7.5 to 80kVA

HT3-3 Series applies PWM-transformerless technology to easily adapt to the most diverse and complicated loads, such as the non-linear systems (IT systems), strongly inductive or capacitive loads, discharge lamps, induction motors,..., and gives numerous benefits at the same time. This series also improves reliability and tolerance to failure, becomes totally flexible and adaptable to any working environment, provides greater security to the supplied loads, extends the life span of the batteries, and enhances considerable savings in consumed energy, in operation costs and temperature control needs.

PERFORMANCES

- ▶ On-line double conversion technology with DSP control
- ▶ Output up to 95%
- ▶ Adaptive Feed Forward Cancellation advanced control
- ▶ Very low input current distortion (THDi up to <1%)
- ▶ Unity input power factor (PF = 1.0)
- ▶ Control designed to withstand any kind of load
- ▶ Calculation of the back-up available for lengthy power cuts
- ▶ Space-saving compact format
- ▶ Total flexibility in single phase / three-phase input set-ups
- ▶ Large variety of communications: interface to relays, RS-232/485, free slot, and MODBUS/SEC protocol

APPLICATIONS

The best protection for critical systems

- ▶ Data centers
- ▶ IT-Networks
- ▶ Financial service
- ▶ Industrial process
- ▶ Telecommunications
- ▶ Medical application
- ▶ Transportation application



PT. ENERPLUS SEJATI

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FROM 7,5 TO 80 kVA

TECHNICAL CHARACTERISTICS

MODEL		HT3-3-Series		
TECHNOLOGY		Online double conversion, HF, DSP Control		
INPUT	Nominal voltage	Single phase 220 / 230 / 240 V Three-phase 3 x380 / 3x400 / 3x415 V (3Ph+ N)		
	Voltage margin	+ 15%/-20% (@ 3x400 V / 230 V Ph-N)		
	Frequency	50 / 60 Hz		
	Total harmonic distortion (THDi)	7,5 ÷ 20 kVA	100% load: <1.5% / 50% load: <2.5% / 10% load: <6.0%	
		30 ÷ 80 kVA	100% load: <1.0% / 50% load: <2.0% / 10% load: <5.0%	
Power factor	> 0.99 (above 10% load)			
OUTPUT	Nominal voltage	Single phase 220 / 230 / 240 V Three-phase 3x 380 / 3 x 400 / 3 x 415 V (3Ph+ N)		
	Precision	Steady State	±1%	
		Dynamic State	±2% (load variations 100% - 0% - 100%)	
	Frequency	Synchronised	50 / 60 Hz± 4%	
		Free running	50 / 60 Hz± 0.05%	
	Max. synchronisation speed	From 1Hz/s to 10Hz/s (programmable)		
	Total harmonic distortion (THDi)	Linear load	< 0.5%	
		Non-linear load	< 1.5% (EN-62040-3)	
	Admissible overload	125% for 10 min. / 150% for 60s.		
	Admissible crest factor	3.4:1 (7.5÷20 kVA) / 3.2:1 (30÷60 kVA) / 2.8:1 (80 kVA)		
	Admissible power factor	0.5 inductive to 0.5 capacitive (Totally capacitive or totally inductive in a single phase)		
Efficiency	92.0% + 95.0%			
STATIC BYPASS		Solid state, microprocessor controlled		
Voltage	Single phase 220 / 230 / 240 V Three-phase 3x 380 / 3 x 400 / 3 x 415 V (3Ph+ N)			
	Frequency	50 / 60 Hz		
	Transfer time	Nil		
	Transfer to by-pass	Immediate for overload of over 150%		
	Retransfer	Automatic after alarm disappearance		
MANUAL BYPASS		Without interruption		
Voltage	Single phase 220 / 230 / 240V Three-phase 3x 380 / 3 x 400 / 3 x 415 V (3Ph+ N)			
	Frequency	50 / 60 Hz		
	Structure	Three-phase IGBT complete wave, soft start and PFC		
Protection	Against transitory over-voltages			
	Acid lead, sealed, maintenance free			
Recharging time	4 hours to 80% of capacity			
	Against over-voltages and under-voltages			
	Batt - Watch			
	RS-232 / 485			
COMMUNICATION		AC failure, by-pass, low battery		
Operating temperature	0° C + + 40° C			
	Up to 95% non-condensing			
	2,400 m.a.s.l			
	< 52 dB at 1meter ⁽¹⁾			
Safety	EN-62040-1-2; EN-60950-1			
	EN-62040-2			
	VFI-SS-111 according to EN-62040-3			
	CE			
Quality and Environmental Management		ISO 9001 and ISO 14001 TÜV		

(1) <65 dB for 80 kVA model

RANGE

MODEL	POWER (kVA / kW)	CABINETS No. (UPS + B AT)	UPS DIMENSIONS (D x W x H) mm.	WEIGHT (Kg)	BAT DIMENSIONS (D x W x H) mm.	WEIGHT (Kg)
HT3-3 / 7,5K	7,5 / 6	1 + -	450 x 700 x 1100	360	-	-
HT3-3 / 10K	10 / 8	1 + -	450 x 700 x 1100	364	-	-
HT3-3 / 15K	15 / 12	1 + -	450 x 700 x 1100	368	-	-
HT3-3 / 20K	20 / 16	1 + -	450 x 700 x 1100	370	-	-
HT3-3 / 30K	30 / 24	1 + -	590 x 805 x 1320	720	-	-
HT3-3 / 40K	40 / 32	1 + -	590 x 805 x 1320	725	-	-
HT3-3 / 50K	50 / 40	1 + 1	590 x 805 x 1320	200	650 x 980 x 1320	710
HT3-3 / 60K	60 / 48	1 + 1	590 x 805 x 1320	200	650 x 980 x 1320	710
HT3-3 / 80K	80 / 64	1 + 1	590 x 805 x 1320	300	650 x 980 x 1320	710

Data liable to changes without prior notice

(*) Spain only (***) Rest of World

