

UPS

Uninterruptible Power Supplies

HT SERIES

EPI's HT Series UPS are compact true-on-line double conversion UPS' incorporating the latest Insulated Gate Bipolar Transistor (IGBT), High Frequency, Pulse Width Modulated (PWM) microprocessor controlled technology, offering the ultimate in power protection.

The HT Series is unique in that it incorporates the latest power and logic control technologies.

The HT range has the ability to handle 100% load phase imbalance without any degradation to the output performance whilst balancing the load evenly across the three input phases.

Have you protected your expensive business critical systems against power supply problems?

HIGH-AVAILABILITY

A unique feature of the HT Series is its parallel/parallel redundant capability making it the only UPS for critical IT systems. The UPS units are installed so that in the event of an UPS failure, one UPS would switch out of the circuit leaving the other UPS(s) to support the load.

Our solution is unique as there is no single point of failure. Each UPS has its own controls, static/manual bypass circuits which are fully synchronised across all the units.

The EPI Units operate an Enhanced Master/Slave concept whereby the first UPS turned on assumes the "Master" position and all other UPS(s) within the configuration assume the "Slave" position.

Should the "Master" unit fail, a Slave unit will take over and become the "Master". The process is fully automatic and occurs without interruption to the power.

EPI's Enterprise Power System eliminates power as the single point of failure and maximises the system uptime of critical environments.

Do you have a reliable partner who understands high availability at the enterprise level and can provide you with a turn-key Power Protection solution?



MAIN FEATURES:

- Wide input voltage range
- Small footprint
- LCD display
- High efficiency
- Internal Static and Manual Maintenance Bypass Switch
- Galvanic isolation during normal operation
- Intelligent automatic battery test (every 24Hrs)
- Compatible with all software platforms
- Onboard self diagnostic system
- (Remote) Monitoring and Auto-shut down software
- SNMP adaptor ready (option)
- Unique parallel/parallel redundant capability
- Isolation transformer on the inverter
- Extremely high short-circuit current (2.8In)
- BACK FEED protection against energy return to the mains
- Maximum care of the batteries temperature-dependent recharge
- Protection against deep battery discharge
- Ability to handle 100% phase imbalance on output while maintaining perfect balance on the input phases.
- Optional "Clean" version with THDi <5%



Protecting your interests

TECHNICAL DETAILS

HT Series	HT10	HT15	HT20	HT30	HT40	HT60	HT80	HT100	HT120	HT160
Rated Power [KVA]	10	15	20	30	40	60	80	100	120	160
Rectifier Input										
Rated Voltage	400V Three phase									
Frequency Range	±20%									
Rectifier Maximum Input Current [A]	45 - 65 Hz									
Soft Start	0 - 100% in 10sec									
Inverter Output										
Rated Power [kVA/KW]	10/8	15/12	20/16	30/24	40/32	60/48	80/64	100/80	120/96	160/128
Number of Phases	3 + N									
Rated Voltage [V]	400									
Regulation of the Output Voltage	Adjustable from 346V to 425V (from front panel)									
Rated Current [A]	14	22	29	43	58	87	115	145	174	232
Crest Factor	3:1									
Waveform	Pure Sinewave									
Static Stability	± 1%									
Dynamic Stability	± 5% in %ms									
Rated Frequency	50/60 Hz (autorange)									
Frequency Stability (mains supply not present)	± 0.05%									
Frequency Stability (mains supply present)	± 2% (adjustable ±1%, ±5% from front panel)									
Overload	125/150/200% of the rated current for 10'/1'/7s									
Inverter Efficiency at Rated Load	91	91	92	93	93	93	93	94	94	95
Battery (maintenance-free sealed lead acid)										
Number of Cells (Blocks @ 12V)	192 (32 blocks @ 12V)							216 (36 blocks@12V)	240 (40 blocks@12V)	
Maximum Recharge Current [A]	0, 2 x C10									
Bypass Line										
Rated Current [A]	14	22	29	43	58	87	115	145	174	232
Rated Voltage [V]	400V Three phase									
Voltage Range	± 15% (adjustable ±5%, ± 25% from front panel)									
Rated Frequency	50/60Hz									
Permitted Frequency Range	± 2% (adjustable ±1%, ±5% from front panel)									
Overload Capacity in x 10ms	14	15	14	15	14	12	11	12	10	10
Standard Capabilities	BackFeed Protection; Separable Bypass Line									
Installation Information										
Efficiency	90	90	91	92	92	92	92	93	93	93
Eco-mode Efficiency	-	-	-	-	-	-	-	98%	98%	98%
Compliance	EN50091-1-1, EMCEN50091-2 Lev.A Directives 73/23-93/68-89/336 EEC									
Air Flow (m3/h) for installations in a closed environment	496	682	868	1240	1488	2232	2960	3700	4400	5800
MTBF	400,000 hr									
Remote Signaling	Zero-potential Contacts (main power failure, UPS on bypass end of discharge pre alarm. Output 12Vdc 80mA)									
Remote Controls	ESD & Remote Bypass									
Standard Interface	RS232/C									
Operating Temperature	0 + 40°C									
Maximum Relative Humidity Non Condensing	95%									
Noise (dBA)	48-54	48-54	53-60	53-60	53-60	53-62	53-62	54-62	54-62	54-62
Protection Rating	IP20									
Colour of the Cabinet	Light Grey RAL7016									
Physical										
UPS Weight without Batteries	210kg	220kg	240kg	282kg	330kg	450kg	555kg	650kg	750kg	900kg
Dimensions WxDxH (mm)	555 x 720 x 1200					800 x 740 x 1400		1070 x 740 x 1400		

Head Office UK:

EPI Service Limited · Witan Park, Avenue Two, Station Lane, Witney, Oxfordshire OX28 4FH

Telephone +44 (0) 1993 708855 · Facsimile +44 (0) 1993 708850 · e-mail: sales@epi-uk.com · web www.epi-uk.com

France:

EPI France S.A.R.L. · 30, Avenue de l'Amiral Lemonnier, 78160 Marly-le-Roi, France.

Telephone +33 (0)1 39 17 15 57 · Facsimile +33 (0)1 39 17 15 58 · e-mail: sales@epi-fr.com · web www.epi-fr.com

Singapore:

Excellence in Power Integration (S) Pte Ltd · 18 Mohamed Sultan Road, #03-03, Singapore 238967.

Telephone +65 733 5900 · Facsimile +65 735 6400 · e-mail: sales@epi-ap.com · web www.epi-ap.com

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