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FHT

Online Outdoor UPS

1000VA / 2000VA / 3000VA



The ION Online Double Conversion outdoor UPS has been designed for protecting outdoor communication and networking equipment. Being able to resist the elements from high temperature, cold environments, salt spray resistance, corrosive environments, dust prevention, water resistance and provides lightning protection. The FHT also has a wide range of input voltage and frequency providing a stable output and have been designed around applications for outdoor communication base stations for communication, radio, television and more.



FHT FEATURES

- 12 Month warranty*
- IP55 protection, dust prevention and waterproof, perfectly fit in harsh environment
- Lightning protection, equipped with no less than 1.2KV/10KA pluggable SPD
- Wide voltage input range
- High/low temperature resistance design, sun-shading, heat insulation and temperature compensation designs, operating normally at -20 °C - 45 °C
- Long run time applications
- Wide input voltage range (110 Vac ~ 300 Vac) and frequency range (45 Hz ~ 65 Hz) make it fully adapt to harsh power grid environment
- Optional SNMP & relay cards

FHT

Online Outdoor UPS

Specifications

	FHT-1000	FHT-2000	FHT-3000
Output			
Output Power Capacity	800Watts / 1000VA	1600Watts / 2000VA	2400Watts / 3000VA
Max Configurable Power	800Watts / 1000VA	1600Watts / 2000VA	2400Watts / 3000VA
Output phase	Single-phase three-wire (1 Ø+N+PE)		
Rated voltage	208V / 220 V / 230 V / 240 Vac (Programmable)		
Voltage regulation accuracy	± 2%		
Frequency accuracy	Synchronized with utility in mains mode, 50 / 60 Hz ± 0.1 Hz in battery mode		
Power factor	0.8		
Waveform distortion	< 2% (resistive load); < 5% (non-linear load)		
Crest factor	3:01		
Inverter overload capability	108% <load < 150% for 30 s, load> 150% for 200 ms		
Input			
Input phase	Single-phase three-wire (1 Ø+N+PE)		
Rated voltage	208 V / 220 V / 230 V / 240 Vac		
Input voltage range	110 Vac - 140 Vac (half load), 140 Vac - 300 Vac (full load)		
Input frequency range	45 - 55 Hz (rated on 50 Hz) / 55 - 65 Hz (rated on 60 Hz)		
Power factor	> 0.99		
Bypass input voltage range	Minimum bypass voltage range = rated voltage - 34 V / Maximum bypass voltage range = rated voltage + 32 V		
Battery voltage	24 Vdc	48 Vdc	72 Vdc
Inbuilt battery space	2 x 12 V / 65 - 100 AH	4 x 12 V / 65 - 100 AH	6 x 12 V / 65 - 100 AH
System			
Efficiency	> 90%		
Transfer time	Mains mode <-----> Bypass mode: < 4 ms / Mains mode< > Battery mode: 0 ms		
Protections	Output short circuit, output overload, overtemperature, battery low voltage, output overvoltage / undervoltage, fans fault		
Communication interfaces	Standard configuration: RS232 and dry contacts, Optional configuration: SNMP card, RS485, temperature compensation		
Power distribution units	Mains/ battery input/ output circuit breaker, input/ output terminal, output sockets, maintenance bypass switch, SPD		
Display	LED		
Environmental			
Operating temperature	-20°C - 45°C		
Storage temperature	-45°C - 70°C (without batteries)		
Relative humidity	0% - 95% (non-condensing)		
Altitude	< 1000 m, > 1000 m (derating 1% for each additional 100 m)		
IP rating	IP 55		
Noise	< 50 dB (at 1 m)		
UPS Dimensions			
Dimensions W x D x H (mm)	600 X 334 X 990	600 X 434 X 1110	
Color	White		

*Product specifications are subject to change without further notice.

*12 Month on UPS electronics, batteries based on manufacturers specifications and provided through the specific vendor.

Please refer to the ION website for more information.