

HAPAX ECOPACK SERIES ONLINE UPS

1 – 2 – 3 kVA 1/1 PHASE

- ✓ DSP Technology
- ✓ 0,9 Output Power Factor
- ✓ Input Power Factor Correction (PFC)
- ✓ Auto Sensing Frequency
- ✓ Cold Start
- ✓ High Frequency and True Double-Conversion
- ✓ ECO Mode Operation for Energy Saving
- ✓ Advanced Battery Management



Standard Electrical Features

Wide Input Voltage Range (110~300V)
Selectable Output Voltage via LCD
Output Bypass Settable via LCD
Power-On Self Test
Short Circuit and Overload Protection
Automatic Charging in Off Mode
Standard RS232 Communication Port
and RJ45 Protection
Auto Control Fan Speed when Loads
Varies

Optional Features

USB/SNMP Communication Port
Emergency Power Off (EPO)
External Battery Bank
Input or Output Isolation Transformers

Technical Specifications

MODEL	1 - 2 - 3 kVA 1/1 Phase										
Capacity	1000VA			2000VA			3000VA				
Power Watt	900W			1800W			2700W				
INPUT											
Nominal Voltage	208V / 220V / 230V / 240 VAC										
Voltage Range	110 ~ 176 VAC (Linear Derating Between 50% and 100% load); 176 ~ 280 VAC (No Derating); 280 ~ 300 VAC (Derating 50%)										
Frequency	40 ~ 70 Hz (Auto Sensing)										
Power Factor	>0.99										
Bypass Voltage Range	-25% ~ +15% (Settable)										
OUTPUT											
Voltage Range	208V / 220V / 230V / 240 VAC (Settable via LCD)										
Voltage Regulation	±1%										
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (Synchronized Range); 50 / 60 Hz ±0.1 Hz (Battery Mode)										
Waveform	Sinusoidal										
Output THD	≤2% (Linear Load); ≤5% (Non-Linear Load)										
Crest Factor	3:1										
Transfer time	Mains Mode to Battery Mode: 0ms Inverter Mode to Bypass Mode: 4ms (Typical)										
Overload Capability	105% ~ 125%: Transfer to Bypass in 1min 125% ~ 150%: Transfer to Bypass in 30s >150%: Transfer to Bypass in 300ms										
Efficiency (Online)	≥90%			≥91%			≥92%				
Efficiency (Eco Mode)	≥95%			≥96%			≥97%				
BATTERY											
DC Voltage	24 V	36 V	36 V	48 V	72 V	72 V	72 V	96 V	96 V		
Inbuilt Battery	2 x 7Ah	3 x 7Ah	External	4 x 7Ah	6 x 7Ah	External	6 x 7Ah	8 x 7Ah	External		
Max. Charging Current	1A		6A	1A		6A	1A		6A		
Recharge Time	8 hours										
GENERAL											
Running Temperature	For UPS 0°C/+40°C ; For Battery +15°C/+25°C										
Storage Temperature	For UPS -15°C/+45°C ; For Battery 0°C/+30°C										
Alarms	Utility Failure, Low Battery, Overload, UPS Fault										
Humidity	0-90% Without Condensation										
Noise Level	≤45 dB (1m)										
Communication Port	Standard: RS232, ; Optional: SNMP, Dry Contact, EPO, USB										
Communication	Supports Windows®98/2000/2003/XP/Vista/2008/Windows®7/8/10										
DIMENSIONS & WEIGHT											
	1000VA			2000VA				3000VA			
UPS Dimension wxdxh mm	144 x 336 x 214	144 x 414 x 214	144 x 336 x 214	191 x 418 x 335				191 x 464 x 335	191 x 418 x 335		
Packaging Dimension Wxdxh mm	232 x 417 x 318	231 x 492 x 316	232 x 417 x 318	318 x 533 x 471				320 x 573 x 471	318 x 533 x 471		
Net Weight - kg	9.5	13	6	18	25.7	10.5	27.2	32	11		
Package Weight -kg	10.5	14.2	7	19.5	27.4	12	29	34	12.5		