

ARTRONIC HC-UPS

Series **110 / 310**
HC 110, 1-3 kVA

HNux 110, 6 kVA

HC 310, 10-20 kVA

►► SPECIFICATIONS

Model	HC 110	HC 110	HC 110	HC 310*	HC 310
Rating	1 kVA	2 / 3 kVA	6 kVA	10 kVA	20 kVA
INPUT	Single Phase			Three Phase + Neutral	
Nominal Voltage	230 VAC (160-280 V)	230 VAC (160-276 V)	230 VAC (176-276 V)	415 VAC (352-478 V)	415 VAC (352-478 V)
Nominal Frequency	50 Hz (46 Hz to 54 Hz)				
Input Power Factor	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92	≥ 0.92
Battery Voltage	36-144 VDC	96-144 VDC	144-180 VDC	240-360 VDC	240-360 VDC
OUTPUT					
Nominal Voltage	230 VAC (220 / 240 VAC, selectable) 1 Phase & N , +/- 1%				
Frequency	50 Hz (Synchronize with mains input, ± 0.1% on Battery mode)				
Waveform	Sinusoidal				
Total Harmonic Distortions					
Linear Load	≤ 3%	≤ 3%	≤ 2%	≤ 2%	≤ 2%
Non-linear load	≤ 5%	≤ 5%	≤ 5%	≤ 5%	≤ 5%
Crest Factor	3 : 1				
Dynamic Response	at 50% - 100 - 50% unbalanced load change. The output shall remain within ±5% & recover to ± 1% within 60 mS				
Overload Capacity (Mains)	110% for 10 mS, 130 % for 2 Seconds		105% to 130% Load - 10 min, 130% - 1 Second (transfers to bypass after 1 Second)		
Overload Capacity (Battery)	above 105% Load shut down after 10 Seconds				
Automatic Bypass	Integrated Standard Static Bypass				
AC to AC Efficiency	upto 85%	upto 85%	upto 88%	upto 88%	upto 88%
Duty	Continuous				
ENVIRONMENTAL					
Acoustic Noise Level	< 45 dbA	< 50 dbA	< 55 dbA	< 60 dbA	< 60 dbA
Ambient Temperature	0 to 40 °C				
Humidity	20 to 90% RH, Non condensing				
Electromagnetic	EN61000-4-2 (ESD), 4-3 (RS) 4-4 (EFT), 4-5 (Surge), IEC 62040 - 2 (EMI)				
PHYSICAL					
Enclosure Protection	IP - 20				
Cooling	Forced air with variable speed fan according to percentage of load				
Dimensions (in mm) (W x D x H)	145 x 400 x 220	320 x 475 x 375	380 x 570 x 717	460 x 570 x 717	460 x 570 x 717
Weight (in kg)	7.5	15 / 16	35	39	55
LED Indications	Overload, Load Bar graph, Load on Bypass, Inverter ON, Battery Bar graph, Mains ON, Fault				
LCD Display	-	-	Percentage Load, Input Voltage, Output Voltage, Input Frequency, Output Frequency, Battery Voltage, Temperature, Battery Capacity (%), Fault		
Communication Interface	RS 232 port, SNMP compatible for Remote Monitoring (optional)				

* 10 kVA - 1 Phase input - 1 Phase output UPS to be offered shortly. For details Contact- 09311204033