

Title	UPS PERFORMANCE TYPE TEST REPORT		
Date	06/02/2015	Approved by	J Yates
Subject	UPS Input/Output characteristics - static conditions		
Test	Input-Output characteristics, losses, efficiency (EN 62040-3)		



Purpose To measure the input and output UPS performance at differing load levels (0-25%-50%-75%-100%) in order to verify

- 1 Efficiency and losses
- 2 THDv
- 3 Output static stability
- 4 THDi and input pf

MHT 120 PERFORMANCE																	
UPS kVA rating			120			UPS kW rating			120								
System			Input							Output							
UPS Load %	System Losses (kW)	Overall Efficiency %	Volts ac (Ph/Ph)	Amps	kVA	kW	THDi	Power Factor	Volts ac (Ph/N)	Amps	kVA	kW	THDv 1 %	THDv 2 %	THDv 3 %	Power Factor	
0	1.8	0	395.4	5.0	3.7	1.8	0.00	0.477	229.8	0.0	0.0	0.0	0.80	1.00	1.10	1.0	
14.4	2.0	88.4	397.5	26.0	17.8	17.6	18.90	0.986	229.9	23.0	15.6	15.6	0.90	0.90	1.0	1.0	
28.3	2.6	92.1	397.5	48.0	33.3	33.2	8.40	0.995	229.8	44.0	30.5	30.5	0.90	0.80	0.50	1.0	
36.5	3.0	92.9	394.0	63.0	42.7	42.5	7.00	0.995	229.8	57.0	39.5	39.5	0.90	0.90	0.80	1.0	
50.6	3.8	93.4	395.3	86.0	58.7	58.6	5.50	0.997	229.5	79.0	54.7	54.7	1.10	1.00	1.00	1.0	
64.6	4.7	93.7	395.1	109.0	74.7	74.5	6.00	0.998	229.6	101.0	69.8	69.8	1.00	1.00	1.10	1.0	
76.8	5.8	93.5	393.2	131.0	89.1	88.7	5.20	0.996	229.7	120.0	83.0	83.0	0.80	0.90	0.90	1.0	
86	6.7	93.3	396.3	145.0	99.9	99.6	4.20	0.997	229.6	135.0	92.8	92.8	0.80	0.80	0.80	1.0	
100.2	8.4	92.8	398.4	169.0	116.8	116.6	3.40	0.998	230.0	157.0	108.2	108.2	0.80	0.80	0.70	1.0	

