

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 100 PERFORMANCE																	
UPS kVA rating			100			UPS kW rating			100								
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	1.7	0		399.1	6.0	4.4	1.7	0.00	0.380	229.4	0.0	0.0	0.0	0.80	0.70	0.70	1.0
17.1	1.9	89.0		397.7	25.0	17.5	17.3	10.70	0.987	229.3	22.0	15.4	15.4	1.00	0.90	0.90	1.0
22.5	2.0	90.9		397.2	33.0	22.5	22.3	7.90	0.993	229.2	29.0	20.3	20.3	1.10	0.90	1.00	1.0
28.3	2.2	92.1		397.0	40.0	27.8	27.7	6.30	0.997	229.2	37.0	25.5	25.5	1.00	1.00	1.00	1.0
43.6	2.8	93.4		395.1	62.0	42.2	42.1	4.80	0.997	229.1	57.0	39.3	39.3	0.90	1.00	1.00	1.0
54.9	3.3	93.8		395.4	77.0	52.8	52.7	4.20	0.998	229.2	72.0	49.4	49.4	0.90	0.90	1.00	1.0
66	3.9	93.9		395.9	92.0	63.4	63.3	3.60	0.998	229.2	86.0	59.4	59.4	0.90	0.90	0.90	1.0
83.1	5.0	93.7		397.3	116.0	79.9	79.8	2.10	0.998	229.2	109.0	74.8	74.8	0.80	0.70	0.80	1.0
92.6	5.9	93.4		398.2	130.0	89.4	89.2	2.20	0.998	229.2	121.0	83.3	83.3	0.70	0.70	0.70	1.0
99.8	6.7	93.0		398.1	140.0	96.7	96.5	2.10	0.998	229.2	131.0	89.8	89.8	0.70	0.70	0.70	1.0

