

Title	UPS PERFORMANCE TYPE TEST REPORT		
Date	07/05/2013	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 500 HE PERFORMANCE (est)

UPS kVA rating			500		UPS kW rating			450									
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	6.1	0	227.3	18.6	12.7	6.1	76.90	0.482	230.7	0.0	0.0	0.0	0.60	0.70	0.70	1.0
	11.6	6.6	90.0	227.1	87.6	59.7	58.1	15.10	0.973	230.8	75.0	52.2	52.2	0.80	0.90	0.80	1.0
	22.6	7.3	93.3	226.2	162.0	109.9	108.8	9.90	0.990	230.4	151.4	101.5	101.5	1.00	0.90	1.00	1.0
	31.9	8.6	94.3	226.2	225.8	153.2	152.3	7.10	0.994	230.4	211.9	143.7	143.7	1.00	0.80	0.90	1.0
	49.8	11.8	95.0	227.8	346.4	236.7	235.8	5.50	0.996	230.7	330.8	224.0	224.0	0.80	0.60	0.70	1.0
	60.4	14.2	95.0	224.4	426.3	287.0	286.1	3.40	0.997	230.6	394.1	271.9	271.9	0.70	0.50	0.70	1.0
	73.7	17.3	95.1	225.3	517.9	350.0	349.0	3.60	0.997	230.7	478.8	331.7	331.7	0.70	0.50	0.50	1.0
	84.7	20.3	94.9	223.3	600.7	402.4	401.6	2.70	0.998	230.6	549.4	381.3	381.3	0.60	0.40	0.50	1.0
	96.7	23.7	94.8	224.2	683.5	459.7	458.8	3.00	0.998	230.6	625.8	435.1	435.1	0.60	0.40	0.50	1.0

