

Title	UPS PERFORMANCE TYPE TEST REPORT		
Date	15/03/2016	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

MHE 800 PERFORMANCE																
UPS kVA rating			800			UPS kW rating			800							
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	9.5	n/a	391.4	43.1	29.6	9.5	24.00	0.322	230.3	0.0	0.0	0.0	1.10	1.10	1.00	1.0
12.8	11.9	89.56	391.2	171.8	116.4	113.5	8.80	0.967	230.3	147.2	101.7	101.7	1.00	0.80	0.90	1.0
25	15.0	93.02	391.6	318.8	216.2	215.1	5.10	0.995	230.5	289.3	200.1	200.1	1.20	1.20	1.10	1.0
37.6	19.1	94.02	390.5	473.5	320.3	319.8	3.30	0.999	230.6	434.5	300.7	300.7	1.40	1.30	1.30	1.0
50.6	24.1	94.38	390.2	634.9	429.1	428.8	1.90	0.999	230.7	584.7	404.7	404.7	1.30	1.30	1.30	1.0
63	29.4	94.50	389.1	793.5	534.7	533.7	1.70	0.998	230.7	728.7	504.4	504.4	1.10	1.10	1.20	1.0
75.7	34.8	94.57	388.1	956.6	643.1	640.6	1.80	0.996	230.7	875.4	605.8	605.8	1.00	1.00	1.10	1.0
88	39.8	94.66	384.5	1122.6	747.8	743.7	1.20	0.995	230.6	1017.6	704.0	704.0	0.80	0.90	1.00	1.0
100.2	46.4	94.53	382.5	1287.2	853.5	848.0	1.50	0.994	230.5	1159.0	801.6	801.6	0.90	1.10	1.10	1.0

