

<b>Title</b>	UPS PERFORMANCE TYPE TEST REPORT		
<b>Date</b>	06/02/2015	Approved by	J Yates
<b>Subject</b>	UPS Input/Output characteristics - static conditions		
<b>Test</b>	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

<b>MHE 200 PERFORMANCE</b>																	
UPS kVA rating			200			UPS kW rating			200								
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	400.5	9.3	6.4	1.8	0.00	0.284	230.3	0.0	0.0	0.0	0.00	0.00	0.00	1.0	
11.5	2.2	91.5	400.3	37.4	25.9	25.2	8.20	0.973	230.5	33.4	23.1	23.1	0.70	0.80	9.00	1.0	
26.5	2.9	94.8	399.6	81.2	56.2	56.0	4.30	0.996	230.4	76.8	53.1	53.1	1.20	1.20	1.00	1.0	
38.1	3.7	95.4	399.4	115.5	79.9	79.8	2.70	0.999	230.5	110.1	76.1	76.1	1.20	1.30	1.10	1.0	
50.9	4.8	95.5	399.1	154.3	106.6	106.6	1.60	0.999	230.5	147.2	101.8	101.8	1.40	1.50	1.50	1.0	
62.4	6.0	95.4	398.9	189.3	130.8	130.7	1.30	1.000	230.6	180.3	124.8	124.8	1.30	1.40	1.30	1.0	
74.3	7.4	95.3	398.7	226.0	156.1	156.1	1.30	1.000	230.7	214.8	148.6	148.6	1.10	1.20	1.10	1.0	
88.9	9.5	94.9	398.9	271.3	187.4	187.4	1.20	1.000	230.7	257.0	177.9	177.9	1.00	1.00	1.00	1.0	
100	11.4	94.6	398.7	306.3	211.4	211.5	0.90	1.000	230.7	289.1	200.1	200.1	1.00	1.00	1.00	1.0	

