

MPT 40 (UPS)

Master MPS series UPS devices ensure maximum protection and power quality for any type of load, especially for mission critical applications, security systems and electro-medical equipment, industrial processes and telecommunications.

Master Plus is an on-line double conversion UPS (class VFI SS 111 in accordance with IEC EN 62040-3) with a transformer isolated inverter.

GENERAL

Topology	Online
Heat Output Full Load (kW):	3.13
IP Rating	20
Width (mm)	555
Depth (mm)	740
Height (mm)	1400
Weight (kg)	335
Colour	RAL 7016 Dark Grey
Operating Temperature (°C):	0-40
Relative Humidity	<95% non-condensing
Noise (dBA)	62

INPUT DETAIL

Input Type	Hardwired
Input Phases	3 +N
Nominal Input Voltage	400
Input Voltage Tolerance	-0.8
Max Input Current (A)	87
Input Frequency (Hz)	45-65
Input Terminal Size	50
Input Protection Rating (A)	100
Advised CPC Conductor Size (mm²)	16
Input Frequency Tolerance (Hz)	±2% (selectable from ±1% to ±5%)

BYPASS DETAIL

Bypass Voltage Range (V)	360-420
Bypass Nominal Frequency (Hz)	50/60 Selectable

OUTPUT DETAIL

Rating (kVA)	40
Rating (kW)	36
Power Factor (PF)	0.9
Waveform	Sinewave
AC/AC Efficiency	92.00%
DC/AC Efficiency	94.00%
Output Type	Hardwired
Output Phases	3
Max Output Current (A)	59
Output Frequency (Hz)	50/60 Selectable
Output Terminal Size	50
Crest Factor	03:01
Voltage Distortion w/ linear load	<1%
Voltage Distortion w/ non-linear load	<3%

BATTERY DETAIL

Internal Batteries	No
Battery Configuration	Non-Center Tap
Battery Technology	VRLA AGM / GEL; NiCd; Supercaps; Li-ion; Flywheels
Max DC Current (A)	109
DC Cable Size in Trunking (Min - Per Pole)	25
DC Cable Size H07BNF (Min - Per Pole)	25

IMAGES

