

HPM



DATACENTER



E-MEDICAL



EMERGENCY



INDUSTRY



TRANSPORT



ONLINE



Modular

3:3 15-1500 kVA UPS
15-50 kVA PM
N+X Redundancy



HIGHLIGHTS

- **Utmost Availability**
- **Ultimate Scalability**
- **Un-matched Power Density**
- **Efficiency up to 96%**
- **Smart Sleep Function**
- **Multi Control**
- **Highly Flexible**
- **Cold Start Feature**

The HPM is the ultimate modular UPS for DATA CENTERS and other CRITICAL LOADS. The HPM is designed to protect any critical highdensity computer and IT environment, whilst achieving maximum availability.

The HPM grows along with the demands of the business without over-sizing the UPS - optimizing both the initial investment and the Total Cost of Ownership. As soon as demand increases, the HPM modular solution can expand its power capability, maintaining the highest levels of power protection, availability, redundancy and investment savings.

The HPM modular UPS provides the most compact footprint of less than 2m with best reliability and high performance, HPM is considered to be the best power protection solution for large data centers, as well as for sensitive electronics.

Specifications		15 to 90 kVA UPS	
MODELS	HPM 30/15	HPM 45/15	HPM 90/15
Capacity [kVA/kW]	30 / 30	45 / 45	90 / 90
Power Module [kVA/kW]	15 / 15		
INPUT			
Phase	380 / 400 / 415 V (3P+N+G), 50 / 60 Hz		
Voltage range [Vac]	304-478 (Line-Line) : 100% Load 228-304 (Line-Line) : Load de-rated Linearly		
Frequency range [Hz]	40 - 70		
Power factor	>0.99		
Current distortion [THDI]	<3% @ 100% Linear load		
OUTPUT			
Voltage	3Phase - 380 / 400 / 415 V, 1Phase - 220 / 230 / 240 V, 50 / 60 Hz		
Voltage regulation	1% for balanced load, 1.5% for unbalance load		
Voltage distortion [THDv]	<1% for linear load, <3% for non linear load		
Crest factor	3:1		
Overload capability	110% for 60 min., 125% for 10 min., 150% for 1 min.		
BATTERIES			
Voltage [VDC]	+/- 240		
Charger power	20% ¹ System Power		
Charger voltage precision	+/-1%		
SYSTEM			
Efficiency	Online Mode - 95%		
Display	7” color touch screen LCD		
IP rating	IP 20		
Interface	Standard: RS232, RS485, Dry Contacts (Programmable) - Optional: SNMP		
Operation/storage temperature	0-40 °C / -25-70 °C		
Range of relative humidity	0-95% non-condensing		
Noise	≤ 56 dB @ 100% load (1 m distance)		
Standards	IEC 62040-1, IEC 62040-2, IEC 62040-3		
PHYSICAL			
Weight Cabinet [kg]	42	55	85
Weight Power Module [kg]	15.5		
Dimensions Cabinet (WxDxH) [mm]	485x697x398	485x751x575	485x751x1033
Dimensions Power Module (WxDxH) [mm]	436x590x85		

¹ Specially designed for Indian conditions.

Specifications		60 to 200 kVA UPS		
MODELS	HPM 60/20	HPM 120/20	HPM 200/20	HPM 60/20 Combo
Capacity [kVA/kW]	60 / 54	120 / 108	200 / 180	60 / 54
Power Module [kVA/kW]	20 / 18			
INPUT				
Phase	380 / 400 / 415 V (3P+N+G), 50 / 60 Hz			
Voltage range [Vac]	304-478 (Line-Line) : 100% Load 228-304 (Line-Line) : Load de-rated Linearly			
Frequency range [Hz]	40 - 70			
Power factor	>0.99			
Current distortion [THDI]	<3% @ 100% Linear load			
OUTPUT				
Voltage	380 / 400 / 415 V (3P+N+G), 50 / 60Hz			
Voltage regulation	1% for balanced load, 1.5% for unbalance load			
Voltage distortion [THDv]	<1% for linear load, <3% for non linear load			
Crest factor	3:1			
Overload capability	110% for 60 min., 125% for 10 min., 150% for 1 min.			
BATTERIES				
Voltage [VDC]	+/- 240			
Charger power	20% ¹ System Power			
Charger voltage precision	+/-1%			
SYSTEM				
Efficiency	Online Mode - 95%			
Display	5.7” touch screen LCD			
IP rating	IP 20			
Interface	Standard: RS232, RS485, USB, Dry Contacts (Programmable) - Optional: SNMP			
Operation/storage temperature	0-40 °C / -25-70 °C			
Range of relative humidity	0-95% non-condensing			
Noise	≤ 55 dB @ 100% load (1 m distance)			
Standards	IEC 62040-1, IEC 62040-2, IEC 62040-3			
PHYSICAL				
Weight Cabinet [kg]	105	145	179	205
Weight Power Module [kg]	22			
Weight Battery Package [kg]	N.A.			10 (without battery)
Dimensions Cabinet (WxDxH) [mm]	600x900x1100	600x900x1600	600x900x2000	600x1020x2000
Dimensions Power Module (WxDxH) [mm]	440x590x134			
Dimensions Battery Package (WxDxH) [mm]	N.A.			120x824x177

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Specifications		150 to 200 kVA UPS	
MODELS	HPM 150/25	HPM 200/25	
Capacity [kVA/kW]	150 / 150	200 / 200	
Power Module [kVA/kW]	25 / 25		
INPUT			
Phase	380 / 400 / 415 V (3P+N+G), 50 / 60 Hz		
Voltage range [Vac]	304-478 (Line-Line) : 100% Load 228-304 (Line-Line) : Load de-rated Linearly		
Frequency range [Hz]	40 - 70		
Power factor	>0.99		
Current distortion [THDI]	<3% @ 100% Linear load		
OUTPUT			
Voltage	380 / 400 / 415 V (3P+N+G), 50 / 60 Hz		
Voltage regulation	1% for balanced load, 1.5% for unbalance load		
Voltage distortion [THDv]	<1% for linear load, <3% for non linear load		
Crest factor	3:1		
Overload capability	110% for 60 min., 125% for 10 min., 150% for 1 min.		
BATTERIES			
Voltage [VDC]	+/- 240		
Charger power	20% ¹ System Power		
Charger voltage precision	+/-1%		
SYSTEM			
Efficiency	Online Mode - 96%		
Display	7" touch screen LCD		
IP rating	IP 20		
Interface	Standard: RS232, RS485, USB, Dry Contacts (Programmable) - Optional: SNMP, Parallel Kit, SPD		
Operation/storage temperature	0-40 °C / -25-70 °C		
Range of relative humidity	0-95% non-condensing		
Noise	≤ 65 dB @ 100% load (1 m distance)		
Standards	IEC 62040-1, IEC 62040-2, IEC 62040-3		
PHYSICAL			
Weight Cabinet [kg]	140	160	
Weight Power Module [kg]	18		
Dimensions Cabinet (WxDxH) [mm]	485x900x931 without PDC 485x900x1149 with PDC	482x916x1550	
Dimensions Power Module (WxDxH) [mm]	436x677x85		

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Specifications				
60 to 300 kVA UPS				
MODELS	HPM 60/30	HPM 120/30	HPM 180/30	HPM 300/30
Capacity [kVA/kW]	60 / 54	120 / 108	180 / 162	300 / 270
Power Module [kVA/kW]	30 / 27			
INPUT				
Phase	380 / 400 / 415 V (3P+N+G), 50 / 60 Hz			
Voltage range [Vac]	304-478 (Line-Line) : 100% Load 228-304 (Line-Line) : Load de-rated Linearly			
Frequency range [Hz]	40 - 70			
Power factor	>0.99			
Current distortion [THDI]	<3% @ 100% Linear load			
OUTPUT				
Voltage	380 / 400 / 415 V (3P+N+G), 50 / 60Hz			
Voltage regulation	1% for balanced load, 1.5% for unbalance load			
Voltage distortion [THDv]	<1% for linear load, <3% for non linear load			
Crest factor	3:1			
Overload capability	110% for 60 min., 125% for 10 min., 150% for 1 min.			
BATTERIES				
Voltage [VDC]	+/- 240			
Charger power	20% ¹ System Power			
Charger voltage precision	+/-1%			
SYSTEM				
Efficiency	Online Mode - 95.5%			
Display	10.4" touch screen LCD			
IP rating	IP 20			
Interface	Standard: RS232, RS485, USB, Dry Contacts (Programmable) Optional: SNMP, Expansion Dry contact card			
Operation/storage temperature	0-40 °C / -25-70 °C			
Range of relative humidity	0-95% non-condensing			
Noise	≤ 72 dB @ 100% load (1 m distance)			
Standards	IEC 62040-1, IEC 62040-2, IEC 62040-3			
PHYSICAL				
Weight Cabinet [kg]	170	266	205	305
Weight Power Module [kg]	34			
Dimensions Cabinet (WxDxH) [mm]	600x980x950	600x980x1400	600x1100x1600	600x1100x2000
Dimensions Power Module (WxDxH) [mm]	460x790x134			

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Specifications				
100 to 500 kVA UPS				
MODELS	HPM 100/50	HPM 200/50	HPM 300/50	HPM 500/50
Capacity [kVA/kW]	100 / 90	200 / 180	300 / 270	500 / 450
Power Module [kVA/kW]	50 / 45 ¹			
INPUT				
Phase	380 / 400 / 415 V (3P+N+G), 50 / 60 Hz			
Voltage range [Vac]	304-478 (Line-Line) : 100% Load 228-304 (Line-Line) : Load de-rated Linearly			
Frequency range [Hz]	40 - 70			
Power factor	>0.99			
Current distortion [THDI]	<3% @ 100% Linear load			
OUTPUT				
Voltage	380 / 400 / 415 V (3P+N+G), 50 / 60Hz			
Voltage regulation	1% for balanced load, 1.5% for unbalance load			
Voltage distortion [THDv]	<1% for linear load, <3% for non linear load			
Crest factor	3:1			
Overload capability	110% for 60 min., 125% for 10 min., 150% for 1 min.			
BATTERIES				
Voltage [VDC]	+/- 240			
Charger power	20% ¹ System Power			
Charger voltage precision	+/-1%			
SYSTEM				
Efficiency	Online Mode - 96%			
Display	10.4” color touch screen LCD			
IP rating	IP 20			
Interface	Standard: RS232, RS485, USB, Dry Contacts (Programmable) Interface Optional: SNMP, AS400, Parallel Kit, Battery Cold Start (Standard for 300 & 500kVA), Lightning protection components, Dust Filter, LBS			
Operation/storage temperature	0-40 °C / -25-70 °C			
Range of relative humidity	0-95% non-condensing			
Noise	≤ 72 dB @ 100% load (1 m distance)			
Standards	IEC 62040-1, IEC 62040-2, IEC 62040-3			
PHYSICAL				
Weight Cabinet [kg]	210	350	490	810
Weight Power Module [kg]	45			
Dimensions Cabinet (WxDxH) [mm]	600x980x1150	650x960x1600	650x960x2000	1300x1100x2000
Dimensions Power Module (WxDxH) [mm]	510x700x178			

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