

## HM Series Modular Online UPS 40-400kVA (480V)

**COMCAST** GROUP



## Description

The HM series modular, online UPS ranging from 40kVA to 400kVA is designed to protect any critical load for medium and large data center achieving maximum availability. The RM series feature the latest technology of 3-level technology and PFC input control, which guarantees high efficiency of 96% and ultra-reliability. Its compact design ensures power density of 400kVA in one cabinet, 3 units can be paralleled for capacity or redundancy up to 1200kVA, making it an excellent choice for medium and large facilities.

## Features

- Compact design  
400kVA in one cabinet, footprint less than 1.45m<sup>2</sup>, saving valuable room space
- High power density.  
40kVA power module in 4 U height, easy for HH capacity expansion
- High efficiency.  
Advanced 3-level technology guarantees high efficiency operating in double conversion mode up to 96%.
- Intelligent charging management  
The system intelligently controls the whole process of the charging and discharging effectively improve the lifetime of the battery.
- High scalability  
The system can be configured from 40kVA to 400kVA in one single cabinet,3 units in parallel for a capacity up to 1200kVA.
- Friendly HMI  
10.4" touch color LCD with graphic display, independent LCD for each power module
- Smart sleep function  
System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency.
- Multi communication interface  
Provide RS232, RS485, USB,SNMP,AS400 and programmable dry contacts.

## Specification

MODEL		HM400/40X	HM320/40X	HM240/40X	HM160/40X	HM80/40X
System Capacity		400kVA	320kVA	240kVA	160kVA	80kVA
Power Module Capacity		40kVA/40kW				
Input	Dual Input	Standard		Optional	Standard	
	Phase	3 Phase+Neutral+Ground, 480V(line-line)				
	Input Voltage Range	384~528Vac (line-line),full load; 288V~384Vac (line-line),load decreases linearly according to the min phase voltage				
	Rate Frequency	50/60Hz				
	Input Frequency Range	40Hz~70Hz				
	Input PF	>0.99				
	Input THDi	<3% (100% Linear load)				
Bypass	Rate Voltage	480Vac (line-line)				
	Rate Frequency	50/60Hz				
	Input Voltage Range	Settable, -40%~+10%				
	Bypass Frequency Range	Settable, $\pm 1$ Hz, $\pm 3$ Hz, $\pm 5$ Hz				
	Bypass Overload	110% long term operation 125% for 5 mins 150% for 1 min >150% for 1s		125% long term operation 130% for 10 mins 150% for 1 min >150% for 300ms		
Output	Rate Voltage	480Vac (line-line)				
	Voltage Regulation	1% for balance load; 1.5% for unbalance load				
	Rate Frequency	50/60Hz				
	Frequency Precision	0.1%				
	Output PF	1				
	Output THDu	<1% , Linear load; <5.5%, Non-linear load				
	Crest Factor	3:1				
	Inverter Overload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms				
Battery	Voltage	$\pm 240$ VDC				
	Battery Number	40pcs				
	Voltage Precision	$\pm 1\%$				
	Charge Power	up to 20% * Output active power				
	Battery Cold Start	Standard		Optional		

System	Efficiency	AC Mode: 96.0% ECO Mode: 99.0% Battery Mode: 95.0%					
	Display	10.4" touch screen LCD + LED + keyboard					
	IP Class	IP 20					
	Interface	RS232,RS485, Programmable Dry Contact, USB					
	Option	SNMP Card, Parallel kit, SPD, LBS, Dust filter					
	Temperature	Operation: 0~ 40 °C Storge: -40 ~70 °C					
	Relative Humidity	0 ~95% Non-condensing					
	Altitude	<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise					
	Noise (1 meter)	72dB @ 100% load, 69dB @ 45% load					
Physical	Weight (kg)	Cabinet	450	350	220	170	120
		Power module	44				
	Dimension W*D*H(mm)	Cabinet	1300*1100 *2000	1050*1100 *2000	650*970 *2000	650*960 *1600	600*980 *1150
		Power module	510*700*178				

## Product



### For More Information

Please visit our website [www.comcast-sa.com](http://www.comcast-sa.com) or contact your local sales representative.

#### Comcast México

Overseas Sales Subsidiary  
Cal. Lázaro Cárdenas #1309  
Col. Colón industrial CP.44940  
Guadalajara, Jalisco  
Tel. +52 33 38607059  
Info.mx@comcast-sa.com

#### Comcast Guatemala

Overseas Sales Subsidiary  
Av. Hincapié 28-45 zona 13  
Guatemala city 01013  
Tel. +506 4004 1400  
Gerente.gua@comcast-sa.com

#### Comcast Nicaragua

Overseas Sales Subsidiary  
3ra. Entrada las Colinas, Embajada  
De cuba 1C, Este, Casa #34  
Mangua, Nicaragua  
Te, +1809 5711033  
Admin.nic@comcast-sa.com

#### Comcast El Salvador

Overseas Sales Subsidiary  
51 Av. Norte # 159 entre calle  
poniente y Av. Roosevelt  
San Salvador, El Salvador  
Tel. +503 7950 4882  
Info.sc@comcast-sa.com

#### Comcast Republican Dominican

Overseas Sales Subsidiary  
Av. Nuñez de Cáceres #2 Plaza  
Comercial Pradosur, Local 102  
Santo Domingo, Dominican Republic  
Te.+ 1 809 571 1033