

High-Frequency Type

MODULAR UPS

HM-C SERIES 20KVA-300KVA

3 PH INPUT / 3 PH OUTPUT

FEATURES

- ◆ High efficiency online double conversion technology.
- ◆ High scalability; Unity output power factor.
- ◆ Modular design lowers MTTR.
- ◆ N+1 or N+X parallel redundancy for power guarantee.
- ◆ Ease of installation and maintenance.
- ◆ Flexible battery configuration adaptsdifferent applications.
- ◆ Highly reliable operation with redundantpower supply in STS.
- ◆ User-adjustable charging current.
- ◆ High overload capability.
- ◆ Graphic 5.7"LCD design for easy management.
- ◆ Optional 10" touch LCD panel.



SPECIFICATION

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Model	HM-C 90/15U	HM-C 90/30U	HM-C 120/42U	HM-C 120/30U	HM-C 180/30U	HM-C 200/42U	HM-C 210/42U	HM-C 300/42U
Phase	3 Phase In / 3 Phase Out							
Cabinet Capacity	90KW or 60KW	90KW	120KW	120KW or 80KW	180KW or 120KW	200 KW	210 KW	300KW
Battery Type	External battery	Built-in battery module (optional)		External battery				
One Power Module Capacity	30KVA/30KW	30KVA/30KW		30KVA/30KW Or 20KVA/20KW		20KW	30KVA/30KW	
	Or 20KVA/20KW							
Max. Power Module No.	3	3	4	4	6	10	7+1	10
Max. Battery Set No.	3	3	5	—	—	—	—	—
INPUT								
Nominal Voltage	3 x 380VAC/400VAC/415VAC(3Ph+N)							
Voltage Range	305~478 VAC at 100% load; 208~304VAC at <70% load							
Nominal Frequency	50/60Hz (Auto Sensing)							
Frequency Range	40Hz~70Hz							
Power Factor	>0.99 @100% Load , >0.98@50% Load							
Harmonic Distortion (THDi)	<3% @100% load							
OUTPUT								
Nominal Voltage	3 x 380VAC/400VAC/415VAC(3Ph+N)							
Voltage Regulation(Steady state)	≤ ±1% Typical (balanced load); ≤ ±2% Typical (imbalanced load)							
Nominal Frequency	50/60Hz							
Frequency Range(Synchronized)	46Hz~54Hz or 56Hz ~64Hz							
Overload Capability	1 hour for 110%, 10 mins for 120%;1 min for 150%;200ms for >150%							
Harmonic Distortion	≤ 1.5%THD (Linear Load) ; ≤ 4% THD (Non-linear Load)							
Efficiency	Up to 94.5%							
BATTERY / CHARGER								
Nominal Voltage	+/- 216V (12V x 36 pcs)							
Maximum Voltage	+/- 240V(12V x 40 pcs)							
Minimum Voltage	+/- 192V (12V x 32 pcs)							
Float Charging Voltage	2.25V /Cell							
Boost Charging Voltage	2.35V / Cell							
Temperature Compensation	Yes							
Maximum Charging Current (Per Power Module)	8A for 30KW power module	8A	8A for 30KW power module		6A	8A	8A	
	6A for 20KW power module		6A for 20KW power module					
PHYSICAL								
Cabinet Dimension (D x W x H) mm	1100 x 514 x 763	1100 x 600 x 1475	1100 x 600 x 2010	1100x 600 x 1475		1100 x 600 x 2010		
Net Weight (Kg)	183.5 or 182	675	932	335 or 333	437.5 or 434.5	625	549	620
ENVIRONMENT								
Operating Temperature	0~40°C							
Relative Humidity	0~95% non-condensing							
Altitude	<1000m for Nominal power							
IP Protection	IP20							
MANAGEMENT								
Smart RS-232/USB	Supports Windows R2000/2003/XP/Vista/2008, WindowsR7/8/10,Linux and MAC							
Optional SNMP	Power management from SNMP manager and web browser							
STANDARDS								
Safety	IEC/EN 60950-1; IEC/EN 62040-1							
EMC	IEC/EN 62040-2 Category C3							

* When temperature is above 30C , the output power factor will be de-rated, 0.9 at 31C ~35C and 0.8 at 36C ~40°C.

* One battery module contains 10 pos of 12V/TAh or 1219Ah sealed lead acid batteries in one tray.One complete battey set contains 4 battery modules.

* If the UPS is installed or used in a place where the atude is above than 1000m, the output power must be derated one percent per 100m.

* Product specifications are subject to change without further notice.