

## Key Features

- ◆ Power Module 60K Rack Module UPS 120K/180K/240K/300K/480K/600K
- ◆ High efficiency over 94.5% at 50% load, Output Power Factor 1 technology
- ◆ DSP control, online double conversion, Integrated modular and parallel technology
- ◆ High scalability, Single rack expanding 120KVA to 600KVA
- ◆ N+1 or N+X redundancy in the same rack, supports 1+1 cabinet parallel operation.
- ◆ Built-in maintenance bypass, praevia all panel control and connectors
- ◆ Highly reliable operation with redundant power supply in STS
- ◆ High overload Capacity, 60mins@110%, 10Mins@125% , 1mins@150%
- ◆ 32 to 40PCS adjustable Battery numbers
- ◆ Adiustable charging current, Max 18A



480/600K

240/300K

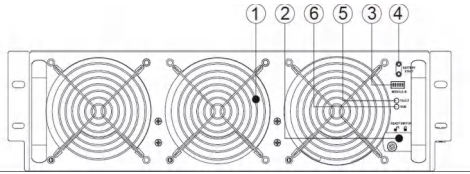
120/180K

## Technical Specifications

MODEL	RM120/60X30U-RYY	RM180/60X30U-RYY	RM240/60X-RYY	RM300/60X-RYY	RM480/60X42U-RYY	RM600/60X42U-RYY
PHASE	3-phase in/3-phase out					
CABINET CAPACITY*	120KW	180KW	240KW	300KW	480KW	600KW
BATTERY TYPE	External Battery					
One Power Module Capacity	60KVA/60KW					
Max. Power Module No.	2	3	4	5	8	10
<b>INPUT</b>						
Nominal Voltage	380VAC/400VAC/415VAC (3Ph+N)					
Voltage Range	305 ~ 478 VAC at 70% - 100% load; 208 ~ 478VAC for <70% load					
Nominal Frequency	50/60Hz (Auto sensing)					
Frequency Range	40Hz ~70Hz					
Power Factor	> 0.99 at 100% load, >0.98 at 50% load					
Harmonic Distortion (THDi)	< 3% @ 100% load					
<b>OUTPUT</b>						
Nominal Voltage	380VAC/400VAC/415VAC (3Ph+N)					
Voltage Regulation (Steady State)	≤± 1% Typical (balanced load) ≤± 2% Typical (unbalanced load)					
Nominal Frequency	50/60Hz					
Frequency Range (Synchronized Range)	46Hz ~ 54Hz or 56Hz ~ 64Hz					
Overload Capability	110% for 1 hour, 125% for 10 mins , 150% for 1 min and 200ms for >150%					
Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 4% THD (Non-linear Load)					
Efficiency	Up to 96%					
<b>BATTERY / CHARGER</b>						
Nominal Voltage	+/- 192V~+/- 240V (Selectable)					
Maximum Voltage	+/- 240V (12V x 40 Pcs)					
Minimum Voltage	+/- 192V (12V x 32 Pcs)					
Floating Charge Voltage	2.28V/Cell (2.25~2.33 Selectable)					
Boost Charging Voltage	2.35V/Cell					
Temperature Compensation	Yes					
Maximum Charging Current (Per Power Module)	18A					
<b>PHYSICAL</b>						
Cabinet Dimension (D x W x H) mm	1100 x 600 x 1475		1100 x 600 x 2010		1065 x 1000 x 2000	
Net Weight (kgs)	308	352	516	516	932	1020
<b>ENVIRONMENT</b>						
Operation Temperature	0 ~ 40°C					
Relative Humidity	0 ~ 95% non-condensing					
Altitude*	<1000m for Nominal power					
IP Class	IP 20					
<b>MANAGEMENT</b>						
RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					
<b>STANDARDS</b>						
Safety	IEC/EN 60950-1; IEC/EN 62040-1					
EMC	IEC/EN 62040-2 Category C3					

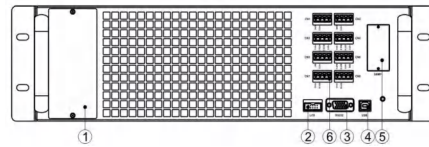
\* If the UPS is installed or used in a placewhere the altitude is above than 1000m, the output power must be derated one percent per 100m.

Model	Description	Dimension DxWxH(mm)	Weight (kg)
PM-60	3P/3P 60KVA60KW power module	750 x 438 x 133 (3U)	44



PM60

- 1.Fan
- 2.Ready Switch
- 3.DIP Switches
- 4.Battery StartButton
- 5.FAULT LED
- 6.RUN LED



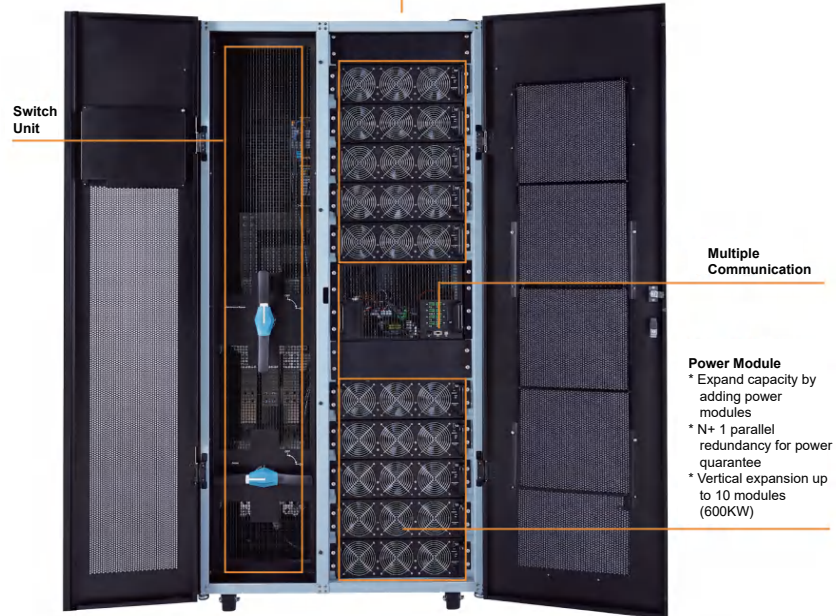
STS MODULE

- 1.Extra Comm. Slot
- 2.LCD Port
- 3.RS232 port
- 4.USB port
- 5.SNMP Slot
- 6.Dry contact ports

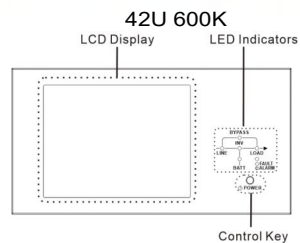
1+1 Cabinet Parallel Operation



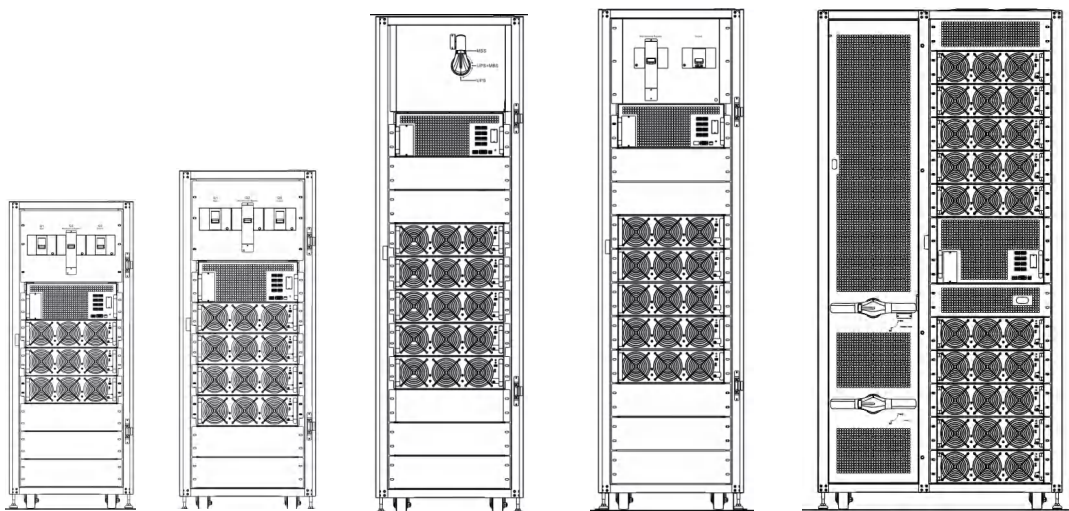
42U 600K



- Power Module**
- \* Expand capacity by adding power modules
- \* N+ 1 parallel redundancy for power guarantee
- \* Vertical expansion up to 10 modules (600KW)



Control Panel



30U-120

30U-180

42U-240/300(optional) Switch Unit 1

42U-240/300(Default) Switch Unit 2

42U-480/600