

Quality products start with quality people

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 (2) in STS
- ◆ High overload Capacity, 110% @ 60mins, 125% @ 10Mins, 150% @ 1mins
- ◆ 32 to 40PCS adjustable Battery numbers
- ◆ Adjustable charging current, Max 18A



480/600K

240/300K

120/180K

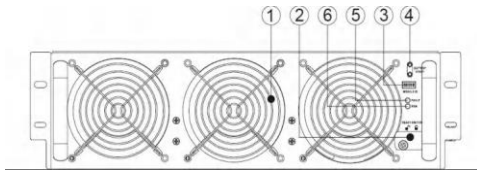
Technical Specifications

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
INPUT						
Nominal Voltage	3 x 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					
OUTPUT						
Nominal Voltage	3 x 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	1 hour for 110%, 10 mins for 125%, 1 min for 150% and 200ms for >150%					
Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 4% THD (Non-linear Load)					
Efficiency	Up to 96%					
BATTERY / CHARGER						
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					
PHYSICAL						
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
ENVIRONMENT						
Operation Temperature	0 ~ 40°C					
Relative Humidity	0 ~ 95% non-condensing					
Altitude*	<1000m for Nominal power					
IP Class	IP 20					
MANAGEMENT						
RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7, 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					

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

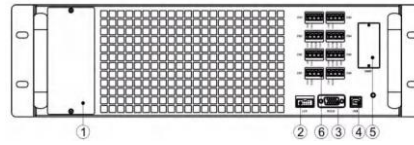
Quality products start with quality people

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 Start Button
5. FAULT LED
6. RUN LED



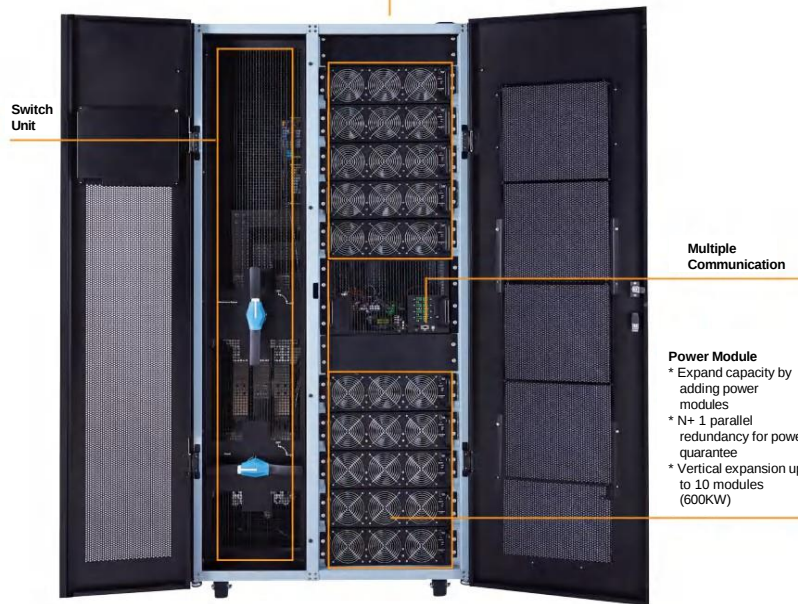
STS MODULE

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

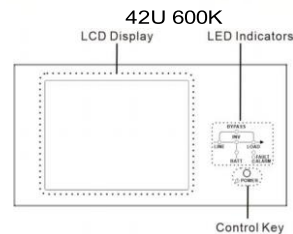
1+1 Cabinet Parallel Operation



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

