

MARS Series UPS

Features:

- 60KW for single power module in 3U
- Single 42U cabinet up to 600KW
- N+1 or N+X parallel redundancy for power guarantee
- Modular design decreases MTTR
- High scalability
- Built-in maintenance bypass switch for easy maintenance without interruptible
- High efficiency double conversion online UPS
- Flexible battery configuration and adjustable charging current
- High overload capability
- Power walk-in function



Specification

Model	Mars300	Mars420	Mars600
PHASE	3-phase in/3-phase out		
CABINET CAPACITY*	300KW	420KW	600KW
BATTERY TYPE	External Battery		
One Power Module Capacity	60KVA/60KW		
Max. Power Module No.	5	7	10
INPUT			
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)		
Voltage Range	-30% ~ +20%		
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 380/400/415 VAC (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 111% ~ 125%, 1 min for 126%~150% and 200ms for >150%		
Harmonic Distortion	≤2% THD (Linear Load) ≤4% THD (Non-linear Load)		
Efficiency	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 (Adjustable)		
PHYSICAL			
Cabinet Dimension (D x W x H) mm	1065 x 1000 x 2000		
Cabinet Net Weight (kgs)	580		
Power Module 60KW - Weight (kgs)	44		
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 family, Linux and MAC
Optional SNMP	Power management from SNMP manager and web browser
STANDARDS	
Safety	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.