

Features

- High efficiency online double conversion technology
- High scalability
- Unity output power factor
- Modular design lowers MTTR
- N+1 or N+R Parallel Redundancy for power guarantee
- Ease of installation and maintenance
- Flexible battery configuration adapts different applications
- Highly reliable operation with redundant power supply in STS
- User-adjustable charging current
- High overload capability
- Graphic 5.7" LCD design for easy management
- Optional 10" touch LCD panel



MODEL	Mplus 30K	Mplus 60K	Mplus 90K	Mplus 120K	Mplus 150K	Mplus 180K	Mplus 210K	Mplus 300K
PHASE	3-phase in/3-phase out							
TOTAL CAPACITY*	30kW	60kW	90kW	120kW	150kW	180kW	210kW	300kW
UPS POWER MODULES	1	2	3	4	5	6	7	10
TOPOLOGY	True Double-Conversion Online							
INPUT								
Nominal Voltage	3 x 380Vac / 400Vac / 415Vac (3Ph+N)							
Voltage Range	305~478Vac at 100% load; 208~304Vac at <70% load							
Nominal Frequency	50 / 60Hz (Auto sensing)							
Frequency Range	40~70Hz							
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)							
Voltage Regulation (Transient)	≤ ± 5% Typical							
Nominal Frequency	50 / 60Hz							
Frequency Range (Synchronized range)	46~54Hz or 56~64Hz							
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 94.5%							
BATTERY / CHARGER								
Nominal Voltage	+/- 216V (12V x 36Pcs)							
Maximum Voltage	+/- 240V (12V x 40Pcs)							
Minimum Voltage	+/- 192V (12V x 32Pcs)							
Floating Charge Voltage	2.25V / Cell							
Boost Charging Voltage	2.35V / Cell							
Temperature Compensation	Yes							
Maximum Charging Current	8A (User-djustable)							
PHYSICAL								
Medium Size (D x W x H)	600 x 1100 x 1485 (30U) mm							
Full Size	600 x 1100 x 2030 (42U) mm							
ENVIRONMENT								
Operation Temperature	0 ~ 40°C							
Relative Humidity	0 ~ 95% non-condensing							
Altitude	<1000m for Nominal power							
IP Class	IP 20							
MANAGEMENT								
Smart RS-232 / USB	Supports Windows® 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10, Linux, Unix 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 30°C, the output power factor will be de-rated, 0.9 at 31°C~35°C and 0.8 at 36°C~40°C.

* One battery module contains 10pcs of 12V / 7Ah or 12 / 9Ah sealed lead acid batteries in one tray. One complete battery set contains 4 battery modules.

* 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.

* Product specifications are subject to change without further notice.