

**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
<b>PHASE</b>	3-phase in/3-phase out							
<b>TOTAL CAPACITY*</b>	30kW	60kW	90kW	120kW	150kW	180kW	150kW	300kW
<b>UPS POWER MODULES</b>	1	2	3	4	5	6	7	10
<b>TOPOLOGY</b>	True Double-Conversion Online							
<b>INPUT</b>								
Nominal Voltage	3 x 380 Vac/400 Vac/415 Vac (3Ph+N)							
Voltage Range	305 ~ 478 Vac at 100% load; 208 ~ 304 Vac at <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	3 x 380 Vac/400 Vac/415 Vac (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)	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 94.5%							
<b>BATTERY / CHARGER</b>								
Nominal Voltage	+/- 216V (12V x 36 Pcs)							
Maximum Voltage	+/- 240V (12V x 40 Pcs)							
Minimum Voltage	+/- 192V (12V x 32 Pcs)							
Floating Charge Voltage	2.25V/Cell							
Boost Charging Voltage	2.35V/Cell							
Temperature Compensation	Yes							
Maximum Charging Current	8A (User-djustable)							
<b>PHYSICAL</b>								
Medium Size (D x W x H)	600 x 1100 x 1485 (30U) mm							
Full Size					600 x 1100 x 2030 (42U) mm			
<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/2008/7/8/10, Linux, Unix 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							

\* 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 10 pcs 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.