

TXM Modular UPS Selection Guide

MODEL	TXM-60	TXM-80	TXM-80-30RU	TXM-120	TXM-140
PHASE	3-phase in / 3-phase out				
CABINET CAPACITY*	60 KW	80 KW	80 KW	120 KW	140 KW
BATTERY TYPE	Built-in Battery		External Battery		
ONE POWER MODULE CAPACITY	20KVA/20KW				
MAX. POWER MODULE NO.	3	4	4	6	7+1
MAX. BATTERY SET NO.**	3	4	-	-	-
INPUT					
Nominal Voltage	3 x 208/220 VAC (3Ph+N)				
Voltage Range	182V ~ 253V at 90% ~100% load 156V ~ 253V at 63% ~90% load 121V ~ 253V for <63% 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 208V/220VAC (3Ph+N)				
Voltage Regulation (Steady state)	± 1% Typical (balanced load) ; ± 2% Typical (imbalanced load)				
Nominal Frequency	50/60Hz				
Frequency Range (Synchronized)	46Hz ~ 54Hz or 56Hz ~ 64Hz				
Overload Capability	1 hour for 110%, 10 mins for 125%,; 1 min for 150%, 200ms for >150%				
Harmonic Distortion	≤2% THD (Linear Load) ; ≤4% THD (Non-linear Load)				
Efficiency	Up to 92.5% at over 50% load				
BATTERY / CHARGER					
Nominal Voltage	+/- 120V (12V x 20 pcs)				
Float Charging Voltage	2.3V / Cell				
Boost Charging Voltage	2.35V / Cell				
Temperature Compensation	Yes				
Maximum Charging Current	8A for each power module (User-adjustable)				
PHYSICAL					
Cabinet Dimension (D x W x H) mm	1100 x 600 x 1475	1100 x 600 x 2010	1100 x 600 x 1475	1100 x 600 x 1475	1100 x 600 x 2010
Net Weight (kg)	670.5	926	329	428.5	7 Power Modules: 504 8 Power Modules: 537
ENVIRONMENT					
Operating Temperature	0 ~ 40°C				
Relative Humidity	0 ~ 95% non-condensing				
Altitude	<1000m for Nominal power				
IP Protection	IP 20				
MANAGEMENT					
Smart RS-232 / USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8/10, Linux and MAC				
SNMP	Power management from SNMP manager and web browser				
STANDARDS					
Safety	UL1778, CSA C22.2 No. 107.3-05				
EMC	FCC Part 15, Subpart B Class A				

*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.



TXM-PM20	3P/3P 20KVA / 20KW power module	736.5 x 490 x 133 (3U)	34.5
Battery Module	10 pcs of 12V 9Ah batteries	710 x 107 x 154	26

Rack Configuration



		TXM Modular UPS Cabinets			
Rack Model Name	TXM-60	TXM-80-30RU	TXM-120	TXM-80	TXM-140
Height	30U	30U	30U	42U	42U
STS Capacity	60KVA	80KVA	140KVA	80KVA	140KVA
Type of installable power module	20K only	20K only	20K only	20K only	20K only
Max. number of installable power module	3	4	6	4	8
Number of installable battery modules in layer	3	N/A	N/A	4	N/A
Max. capacity of installing 20K module	60KVA	80KVA	120KVA	80KVA	140KVA (If installed with 8 pcs, one is for redundancy.)
Max capacity w/internal battery, no external battery	60K	N/A	N/A	80K	N/A
Built-in empty battery modules in BOM	Yes, 12pcs	No	No	Yes, 16pcs	No

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