

Multi Application

Banking / Finance
Data center / SMB
Transportation / Medical
Telcom / Commercial Building

Wisdoms

Breaker status monitoring
Cycling self clean design
Programmable Alarm output
Component life auto-diagnostic
Self diagnostic for system & Battery

Flexibility

CV/CF converter
3:3 system
common battery application
Variable Battery type system

Humanize

Easy cold-start
Easy repairing
Smart Slot design
Colorful LCD display & icon

Performance

Low THD <3%
Low Noise < 65 dB
widely acceptable V/F
High Efficiency upto 99%
High power factor , PF=1

Safety + Reliability

Humna error alerted
Fully DSP controller
Fully Breaker design
High Overload capability



Model	XMOD 60K	XMOD 90K	XMOD 100K	XMOD 200K	XMOD 300K	XMOD 500K
Frame capacity	60KVA/60KW	90KVA/90KW	100KVA/100KW	200KVA/200KW	300KVA/300KW	500KVA/500KW
Power Module Slot	6	6	2	4	6	10
Mains Input						
Grid System	3 Phases + Neutral + Ground					
System Configuration	3:1 / 3 : 3		3 : 3			
Rated Input Voltage	380/400/415VAC (L-L)					
Rated Frequency	50/60Hz					
Input Voltage Range	304~478Vac (Line-Line),full load 228V~304Vac (Line-Line),					
Input Frequency Range	40Hz~70Hz					
Input Power Factor	>0.99					
Input Current THDI @full Linear Load	<4%		<3%			
Bypass Input						
Rated Bypass Voltage	380/400/415VAC (Line-Line)					
Rated Frequency	50/60Hz					
Bypass Voltage Range	Selectable, +25% ~ -40% , default -20%~+15%					
Bypass Frequency Range	Selectable, ±5Hz					
Bypass Overload capability	<110%	Continue				
	<130%	10 mins	5 mins		5 mins	
	<150%	1 min				
	>150%	300ms		300ms		1s
Output						
Rated Inverter Voltage	380/400/415VAC (Line-Line) ± 5%					
Rated Frequency	50/60Hz					
Output Power Factor	1.0					
Voltage precision	Balance load	1%				
	Unbalance load	1.5%				
Transient Response	<5% for step load (20% - 80% -20%)					
Transient recovery	< 30ms for step load (0% - 100% -0%)					
Output Voltage THDu	Linear load	<1.5%				
	Non-Linear load	<6%				
Inverter Overload capability	<110%	60 minutes				
	<125%	10 minutes				
	<150%	1 minute				
	>150%	200 ms				
Frequency Regulation	50/60Hz±0.1%					
Synchronized Range	Settable, ±0.5Hz ~ ±5Hz					
Synchronized Slew Rate	Settable, 0.5Hz/S ~ 3Hz/S					
Battery And Charger						
Battery Rate Voltage	408 ~ 528VDC					
Charger Voltage precision	±1%					
Battery Q'ty/string	34 ~ 44					
Maximum Charger Power	1 ~ 20%					
Efficiency						
ECO Mode	99%					
Normal Operation	95%		96%			
Battery Operation	94.5%		96%			
System						
Display	LED + LCD + touch screen					
Interface	RS232, RS485, USB, Programmable dry contact					
Option	SNMP, AS400, parallel kit, Lightning protection components, Dust Filter, LBS					
Environmental						
Operation Temperature	0 ~ 40 °C					
Storage Temperature	-40 ~ 70 °C					
Relative Humidity	0 ~ 95% Non condensing					
Noise (1 meter)	65dB @ 100% load					
Altitude	<3000m		Load derated 10% @2000m			
Standard Appliance	EN61000-2-2/EN61000-4-2/3/4/5/6/8/11 ; EN62040-2/3					
Physical data						
Cabinet Dimension(WxHxD,mm)	485x1033x751	650x1150x980	650x1600x960	650x2000x1095	1300x2000x1100	
Cabinet Weight (kg)	70	120	170	220	450	
Power Module Dimension(WxHxD,mm)	438x85x590(2U)		510x178x700(4U)			
Power Module Weight (kg)	15.5		45			