

iMAXX SERIES

Online UPS 3P/1P, 360V DC



i-MAXX 30KVA

i-MAXX 15KVA/20KVA

- Online Double-Conversion.
- DSP technology guarantees high reliability.
- True galvanic isolation transformer design.
- Control designed to withstand all kinds of loads.
- Independent ventilation enhance durable operation under harsh environment.
- Adjustable battery numbers. (29, 30, 31 & 32 Numbers)
- Accept dual-mains input.
- Parallel operation with up to 4 units (option).
- Variety of communication options available.
- Reverse phase sequence operation & No neutral operation.

MODEL	i-MAXX DSP TECHNOLOGY BASED ONLINE UPS SERIES		
CAPACITY	15KVA / 12KW	20KVA / 16KW	30KVA / 24KW
PHASE	Three Phase In / Single Phase Out		
INPUT			
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N + G)		
Acceptable Voltage Range	165VAC ~ 280VAC (Ph-N) / 285VAC ~ 485VAC (Ph-Ph)		
Frequency Range	50Hz/60Hz ±10%		
INVERTER			
Nominal Voltage	220VAC/230VAC/240VAC (Adjustable)		
Wave Form	Pure Sinewave		
Output Voltage Stability	Steady State: ± 1% / Transient State: ± 5%		
Frequency Range / Frequency Stability	50Hz ~ 60Hz / ± 1%		
Frequency Synchronisation Range/Speed	± 5Hz (Equal to bypass working range) / 1~2 Hz/s		
Power Factor / Crest Factor	0.8 / 3:1		
Total Harmonic Distortion (THDv)	< 2% (Linear Load) / < 5% (Non-linear Load)		
Dynamic in-rush Voltage Range	0%->100%->0% (R Load) <±5% ; 20%->100%->20% (R Load) ±3%		
Dynamic Recovery Time (III Grade)	0%~100% RCD load ; <60 ms recover to 90% of nominal voltage		
Transfer Time / Transient Response Time	0ms / < 5ms		
Overload Capability	0% ~ 110% continuous running; 110% ~ 150% for 10 min~1 min; >160% for 200ms		
Short-circuit Capability	60~100ms		
BYPASS			
Connection Type / Input Voltage Range	Hardwire 3-wire (1Ph+N+G) / 220VAC ± 25%		
Overload / Short-circuit Capability	1.5 In~1.8 In 1h~30s / 1.8 In ~ >2.0 In 30s~200ms		
SYSTEM			
Efficiency (@Linear Load)	≥88%	≥88%	≥90%
ECO Mode (Non-parallel models)/EPO Function	Yes		
Standard	IEC 61000-4-5 Protection surge, IEC 62040-2 EMC/EMI, IEC62040-1 Safety		
BATTERY & CHARGER			
Rectifier Type/ Charger Voltage	6 Pulse / Charger Voltage:405V DC		
Rectifier Charging Current (max.)	Default 5A, Maximum=Capacity(KW)x(1-%Load) / Battery Voltage *The maximum current is never higher than 40A.	Default 5A, Maximum 40A, 5A@Full load	
Battery Type/ Number / Cold Start	Support VRLA Battery / Number of Battery Default: 30 No. / Cold Start: Yes		
PHYSICAL			
Dimension LxWxH(mm)/Net Weight(Kgs.)	656x405x817 / 120Kgs.	656x405x817 / 145Kgs.	656x405x817 / 193Kgs.
ENVIRONMENT			
Operating Temp./Humidity/Noise Level	Temp.: 0~55°C / Humidity: 0~90% (non-condensing) / Less than 70dB@1 Meter		
MANAGEMENT			
USB and Modbus RS-232/RS485	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC		
Dry Contacts / Optional SNMP	6 outputs and 2 inputs / Power management from SNMP manager and web browser		

* Product specifications are subject to change without prior notice.