

iMAXX SERIES

Online UPS 3P/3P, 360V DC



- Online Double-Conversion.
- DSP technology guarantees high reliability.
- True galvanic isolation transformer design.
- Control designed to withstand all kinds of loads.
- Intelligent battery management to prolong battery life-cycle.
- Redundant fan design and 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	10KVA / 8KW	15KVA / 12KW	20KVA / 16KW	30KVA / 24KW
PHASE	Three Phase In / Three Phase Out			
INPUT				
Nominal Voltage	3 x 380VAC/400VAC (3Ph+N)			
Acceptable Voltage Range	285VAC ~ 475VAC			
Frequency Range	50Hz/60Hz ±10%			
INVERTER				
Nominal Voltage	3 x 380VAC/400VAC (3Ph+N)			
Wave Form	Pure Sinewave			
Precision	Stationary: ±1% / Transitory: ±5% (load variations 100-0-100%)			
Frequency	50/60 Hz synchronised ±1 % / With mains absent ±0.1 Hz			
Frequency Max. Synchronisation Speed	±1 Hz/s			
Total Harmonic Distortion (THDv)	<2% (Linear Load) ; <5% (Non-linear Load)			
Phase Displacement	120° ±1% (balanced load) ; 120° ±2% (imbalances 50% of the load)			
Dynamic Recovery Time	3 cycles at 90 % of the static value			
Admissible Overload	110% for 10min; 150% for 60sec ; >160% for 200ms			
Admissible Power Factor / Crest Factor	0.6~1 (inductive or capacitive) / 3:1			
Imbalance Output Voltage	@ 100% Unbalanced Load <1%			
Current Limit	High overload, short-circuit: RMS Voltage Limit High Crest-Factor current: Peak Voltage Limit			
STATIC BYPASS				
Type / Voltage / Frequency	Solid State / 3x380VAC/400VAC (3Ph+N) / 50/60 Hz			
Activation Criterion / Transfer Time	Microprocessor Control / 0ms			
Admissible Overload	150% for 1 hour; 180% for 30sec; >200% for 200ms			
Transfer to Bypass	Immediate, for Overloads above 160%			
MAINTENANCE BYPASS				
Type	Available in-built through 3 Pole Board			
Type	Without Interruption			
Overall Efficiency Line Mode/Battery Mode	90%	90%	91%	91%
BATTERY & CHARGER				
Battery Type / Battery Numbers	SMF / VRLA / Default: 30 No. (Adjustable 29, 30, 31 & 32 Numbers)			
Nominal Battery Voltage	Default: 360V DC (Based on 30 Batteries)			
Charging Method / Charging Voltage	CC / CV , 405V DC (Based on 30 Batteries)			
Charging Current	Default 5A, Maximum=Capacity(KW)x(1-%Load) / Battery Voltage			Default: 5A, Max= 40A
PHYSICAL				
Dimension LxWxH(mm)/Net Weight(Kgs.)	656x405x817/118Kgs.	656x405x817/120Kgs.	656x405x941/179Kgs.	821x432x1159/241Kgs.
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.