

ONLINE UPS
5-125kVA
Three Phase / Three Phase

+CHALLENGER-UL Series

Advanced 3 Phase Power Protection for
Small-Medium Server Rooms, Data Centers,
Industrial, Telecom and Other
Mission-Critical Applications



- True On Line - Double Conversion Technology
- IGBT PWM Rectifier & Inverter Technology
- DSP Control
- Low Input Current THD (<3%)
- High Input Power Factor (>0.99)
- High Efficiency up to 93%
- DC-DC Charger/Booster
- Wide Input Voltage Range
- Advanced Battery Management
- Short Circuit and Overload Protection
- Unlimited Number of Parallellable Modules
- Selectable Number of Batteries
- 500 Real Time Event Log with Detailed Parameters
- Static&Manual Bypass Operation
- Overload and Short Circuit Protection
- Small Footprint and Easy Maintenance
- Advanced Communication Capabilities
- Perfect Generator Compatibility
- Customizable as Frequency Converter
- Cold Start Function
- Auto Restart Function
- Local and Remote Emergency Power Off

5kVA • 7.5kVA • 10kVA • 15kVA • 20kVA • 30kVA • 40kVA • 50kVA • 60kVA • 80kVA • 100kVA • 125kVA

MODEL												
Capacity	5kVA	7.5kVA	10kVA	15kVA	20kVA	30kVA	40kVA	50kVA	60kVA	80kVA	100kVA	125kVA
Power Watt	4kW	6kW	8kW	12kW	16kW	24kW	32kW	40kW	48kW	64kW	80kW	100kW
Power Factor	0.8											
INPUT												
Input Voltage Range	116V/200V or 120V/208V or 127V/220V ±20% [(L-N)/(L-L)] 3P+N+PE											
Input Power Factor	>0.99											
Input Frequency Range	50Hz ±10% / 60Hz ±10% (Selectable)											
Rectifier	PWM IGBT Technology PFC											
Total Harmonic Distortion (THD)	<3%											
OUTPUT												
Output Voltage Range	116V/200V or 120V/208V or 127V/220V ±1% [(L-N)/(L-L)] 3 Phase+N											
Recovery Time	±1 Static, +3 Dynamic at 100% Load, 5msn											
Efficiency	Normal Mode up to 93% Eco Mode 98%											
Output Frequency Range	50Hz/60Hz ±0.01% (Battery Mode)											
Output THD	Linear Load <2% / Non Linear Load <3%											
Crest Factor	3:1											
Overload Capacity	At 125% Load 10 min. 150% Load 1 min.											
Protection	IGBT Controlled Electronic Short Circuit Protection											
BATTERY												
Type	VRLA/AGM/GEL											
Quantity	14-19-20-24-25	19-20-24-25	24-25	25								
Battery Test	Programmable Without Load, Automatic Battery Test											
Battery Temperature	20°C -25°C (For Maximum Efficiency)											
BY-PASS												
By-pass Input Voltage Range	116/200V or 120 /208 or 127/220V ±10% ((L-N) / (L-L)) 3P+N+PE											
COMMUNICATION												
Communication Port	RS232 / RS485 Rj11 / SNMP											
Dry Contact Alarms	7 Dry Contact Alarms (Voltage, Overload, Temperature, Pressure, Water, etc.)											
Software	MAKnet Software, Megatech, SEC, vs. Compatibility With All Protocols											
Central Service & Monitoring	Available											
SNMP Adaptor	Optional											
Advanced Communic. Options	MOD-Bus/ J-Bus / Profibus / Modbus / Web / Tel-net / GPRS / CAN - Bus ,SNMP											
STANDARDS												
Quality	ISO 9001 - ISO 14001 - ISO 18001											
Performance	EN62040 -3											
EMC/LVD	EN62040 - 2 / EN62040 -1 EN60950											
GENERAL												
Technology	Online, Double Conversion, Transformerless, DSP Controlled Full Digital, SMD Technology Main Board (All in One) 1/1, 3/1, 1/3, 3/3 Input - Output, Customizable as Frequency Converter											
Design	Compact Design Enable Easy, Fast Maintenance and Serviceability (Replaceable Power and Batterie Module)											
Front Panel	320x240 LCD Front Panel+Mimic Diagram Turkish, English, Russian, German Menu											
Running Temperature	For Ups 0 - 40°C, For Battery 22°C- 25°C											
Protections	Overload, Short Circuit, Over Temperature, High Charge, Low Charge, Over Humidity											
Protections Class	IP20											
Humidity	0 - 95% (Non Condensing)											
Altitude	<1000m											
Noise	<60dBA											
Alerts	500 Event Log - Operational Status Record											
Generator Compatibility	Soft Start, Power walk in 5-30sec (adjustable)											
Parallel Operation	N+1 Redundant Parallel, Unlimited Number of Parallellable Modules											
EMI / RFI	Standard											
EPO (Emergency Power Off)	Standard											
Galvanic Isolation Transformer	Optional											
Service & Maintenance	7 / 24 Tele Service											
Net Weight (Without Battery) (kg)	115	115	125	150	156	165	320	360	385	550	575	700
Dimensions (WxDxH) (mm)	460 x 805 x 1190						880 x 770 x 1160			1055 x 815 x 1905		
* 200-208-220V (Ph-Ph) Version is Available. * 3 Phase in / 1 Phase Out Version is Available. (5 to 20kVA)												

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