



PANTEK

INDUSTRIES

Online UPS (PantekURJA)

UNIQUE Series

UQ3120L20

20KVA 3:1 Phase



Features:

- True On-Line, Double-Conversion
- DSP Technology Guarantees High Performance
- Wide Input Voltage Range 277-480V
- IGBT based Rectifier and Inverter
- Input Power Factor 0.99
- Output Power Factor 0.9
- Active Power Factor Correction
- 50Hz/60Hz Frequency Converter Mode
- ECO Mode Operation for Energy Saving
- Emergency Power Off Function (EPO)
- Generator Compatible
- 3-Stage Extendable Charging Design for Optimized Battery Performance
- Adjustable Battery Numbers for 30/40kVA
- Maintenance Bypass Available
- Optional Parallel Operation
- Low Audible Noise
- Isolation Transformer Compatible



LCD Display Panel



▶ Technical Specifications of UQ Series 5-40KVA

MODEL		UQ3120L20					
Capacity (kVA)	20						
INPUT							
Nominal Voltage	380V / 400V / 415V AC (3Ph+N+PE)						
Voltage Range	+20%, -28%						
Frequency Range	50 / 60 Hz + 10% Auto Sensing						
Power Factor	0.99						
OUTPUT							
Voltage	220V / 230V / 240V AC (3Ph+N)						
Regulation	+ 1%						
Frequency Range	Auto Sensing 50 760 Hz + 1-10% Sync Mode (Configurable), 50/60 Hz + 0.1 Hz Battery Mode						
Current Crest Ratio	3:1						
Harmonic Distortion	2 % THD (Linear Load); 4% THD (Non-linear Load)						
Transfer Time	Zero						
Power Factor	0.9						
Waveform	Pure Sine Wave						
Efficiency	Up to 95% Dual Conversion Mode, 99% ECO Mode						
BATTERY							
Numbers	20 Nos.			32 - 40 Nos. (Adjustable)			
Charging Amp. (Max.)	1A/2A/3A/4A (Adjustable) Option for Parallel up to 3 charger boards, 12A max.						
Charging Voltage	273V DC + 1%			+13.65V*N (N-1=16-20)			
SYSTEM FEATURES							
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge time, Fault conditions, and Fault Codes						
Alarm / Protection	Battery Low, Short Circuit, Overload Temperature and Fault Codes						
PHYSICAL							
Dimension WxDxH (mm)	250x592x826			250x815x826		815x300x1000	
Net Weight (kgs)	30	38	40	45	61	60	64
ENVIRONMENT							
Temperature	Operating: 0-45 ° C, Storage: -10°C - 55°C						
Humidity / Altitude	0-95% RH Non-condensing / <1500 M						
Noise	Low Audible Noise Level						
STANDARDS							
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, RoHS						
Safety	IEC/EN62040-1						
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE						
COMMUNICATION INTERFACE							
Standard	RS-232						
Optional	SNMP / ModBus / Dry Contact / USB / RS-485						
Monitoring Software	NetAgent Utility v5.8 /View Power /UPSilon 2000 / Muser 4000						

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