

# Intelli UPS Q

# Su-Kam

Ek nayi soch

**DSP based TRUE ONLINE**

**DOUBLE CONVERSION VFI TECHNOLOGY**

Audit your Power Quality through Power Manager Software



#### SALIENT FEATURES

- Wide Input Voltage & Frequency Window
- Built-in Galvanic Isolation Transformer
- Auto-self Test on LCD Panel
- Fuzzy Logic Controlled battery charging
- Intelligent Battery Management
- Scalable Runtime
- Cold Start

#### APPLICATIONS

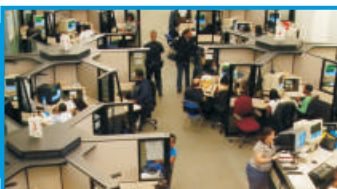
- Workstations/Servers
- Networking Equipment
- Telecom
- Color Labs
- ATM Machines/POS Systems
- Gold Analyser Machines
- Security Systems
- Textile Industry

# 1 Phase Input - 1 Phase Output

## TECHNICAL SPECIFICATIONS

Type	1 Phase Input - 1 Phase Output					
Series	IntelliQ Online UPS					
Technology	DSP based Double Conversion Online UPS system with true galvanic isolation					
Ratings	1 KVA	2 KVA	3 KVA	5 KVA	7.5 KVA	10 KVA
Model	IQ111K	IQ112K	IQ113K	IQ115K	IQ117.5K	IQ1110K
Capacity	1 KVA	2 KVA	3 KVA	5 KVA	7.5 KVA	10 KVA
<b>INPUT</b>						
No. of Phases	1Phase-3Wire P,N,E					
Voltage Range	170 V - 280 Volts AC					
Input Frequency Range	47 to 53Hz.					
<b>OUTPUT</b>						
Power	700 W	1600 W	2400 W	4000 W	6000 W	8000 W
Load PF Range	0.8 lagging					
Phase	1 Phase -2 Wire (P,N)					
Output Waveform	Pure Sine Wave					
Voltage	230 V +/-1%					
Frequency	50Hz +/-0.1%					
Load Crest Factor	> 3:1					
Output Voltage THD	< =3% on Linear Load					
Loading Capacity	110% for 2 Minutes					
<b>BY-PASS</b>						
Maintenance By-Pass	Available					
<b>BATTERIES</b>						
No. of 12V Batteries	4	15	15	15	16	16
Voltage	48 VDC	180 VDC	180 VDC	180 VDC	192 VDC	192 VDC
Battery Charging current	0.8 Amp to 8 Amp	1 Amp to 10 Amp				
Battery Recommendation	From 7.2 Ah to 200 Ah					
Battery Self Test	Automatic & Manual					
<b>User Interface</b>						
Communication port	RS-232 Server and Client					
Operating System	Windows95/98/NT/2000/XP					
<b>GENERAL</b>						
Indication	LCD pannel					
Alarm	Mains Failure, Battery Low, Over Load Short Circuit					
Protection	Short Circuit , Over Voltage & Under Voltage Protection.					
Cooling	Forced Air Cooling					
UPS Efficiency	> 85%					
Operating Temperature	0-45DegC					
Operating Humidity	95% Condensing					
Monitoring Software	Additional Software available for remote monitoring					
Accoustic Noise	<45 Db at 1 meter					
Protection Class	Ip20					
UPS Weight	32Kg (Without Batteries)	40Kg (Without Batteries)	57.5Kg (Without Batteries)	71.5 Kg (Without Batteries)	93Kg (Without Batteries)	108Kg (Without Batteries)
Dimension (L X W X H)	(490 X 225 x 350)MM	(550 X 350 X 325)MM	(475 X 350 X 610)MM	(475 X 350 X 610)MM	(550 X 350 X 660)MM	(550 X 350 X 660)MM

Specifications are subject to change without prior notice.



## 3 Phase Input - 1 Phase Output

### TECHNICAL SPECIFICATIONS

Type	3 Phase Input – 1 Phase Output			
Series	IntelliQ Online UPS			
Technology	DSP based Double Conversion Online UPS with true Galvanic Isolation			
Ratings	10 KVA	15 KVA	20 KVA	25 KVA
Model	IQ3110K	IQ3115K	IQ3120K	IQ3125K
Capacity	10 KVA	15 KVA	20 KVA	25 KVA
<b>INPUT</b>				
No. of Phases	3 Phase- 4 Wire			
Voltage Range	310 V – 480 Volt AC			
Input Frequency Range	45 - 55 Hz			
<b>OUTPUT</b>				
Power	8000 W	12000 W	16000W	20000 W
Load PF Range	0.8 lagging			
Phase	1 Phase -2 Wire (P,N)			
Output Waveform	Pure Sine Wave			
Voltage	230V ± 1%			
Frequency	50Hz +/-0.1%			
Load Crest Factor	> 3:1			
Output Voltage THD	<=3% on Linear Load			
Loading Capacity	110% for 5 Minutes/ 125% for 1 Min/ 150% for 10 Sec			
<b>BY-PASS</b>				
Capacity	125% continues			
Maintenance By-Pass	Available			
<b>BATTERIES</b>				
No. of 12V Batteries	30			
Voltage	360 V DC			
Battery Charging current	0.8 Amp to 8 Amp			
Battery Recommendation	From 7.2 Ah to 200 Ah			
Battery Self Test	Automatic & Manual			
<b>USER INTERFACE</b>				
Communication port	RS-232 Server and Client			
Operating System	Windows95/98/NT/2000/XP			
<b>GENERAL</b>				
Indication	LCD pannel			
Alarm	Mains Failure, Battery Low, Over Load Short Circuit			
Protection	Short Circuit , Over Voltage & Under Voltage Protection.			
Cooling	Forced Air Cooling			
UPS Efficiency	> 90%			
Operating Temperature	0-45DegC			
Operating Humidity	95% Condensing			
Monitoring Software	Additional Software available for remote monitoring			
Accoustic Noise	<45 Db at 1 meter			
Protection Class	Ip20			
UPS Weight	131 Kg (without Batteries)	156 Kg (without Batteries)	170 Kg (without Batteries)	170 Kg (without Batteries)
Dimension (H X W X D)	450MM X 650MM X 700MM	450MM X 650MM X 700MM	450MM X 700MM 730MM	450MM X 700MM X 730MM

Specifications are subject to change without prior notice.



## 3 phase input - 3 phase output

### TECHNICAL SPECIFICATIONS

Type	3 phase input - 3 phase output							
Series	IntelliQ Online UPS							
Technology	<b>DSP based Double Conversion Online UPS system with True Galvanic Isolation</b>							
Ratings	5 KVA	7.5 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA
Model	IQ335K	IQ337.5K	IQ3310K	IQ3315K	IQ3320K	IQ3325K	IQ3330K	IQ3340K
Capacity	5 KVA	7.5 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA
<b>INPUT</b>								
No. of Phases	3 Phase – 4 Wire							
Voltage Range	310 V – 480 Volt AC							
Input Frequency Range	45 – 55 Hz							
<b>OUTPUT</b>								
Power	4000 W	6000 W	8000 W	12000 W	16000 W	20000 W	24000 W	32000 W
Load PF Range	0.8 lagging							
Phase	3 Phase- 4 Wire							
Output Waveform	Pure Sine Wave							
Voltage	400V ± 2% (P-P), 380V & 415V user selection also available							
Frequency	50Hz +/-0.1Hz							
Load Crest Factor	> 3:1							
Output Voltage THD	<=3% on Linear Load							
Loading Capacity	110% for 8 Minutes/ 125% for 1 Min/ 150% for 13 Sec							
<b>BY-PASS</b>								
Capacity	125% continues							
Maintenance By-Pass	Available							
<b>BATTERIES</b>								
No. of 12V Batteries	30							
Voltage	360 V DC							
Battery Charging current	10 Amp							
Battery Recommendation	From 7.2 Ah to 200 Ah							
Battery Self Test	Automatic & Manual							
<b>USER INTERFACE</b>								
Communication port	RS-232 Server and Client							
Operating System	Windows95/98/NT/2000/XP							
<b>GENERAL</b>								
Indication	LCD pannel							
Alarm	Mains Failure, Battery Low, Over Load Short Circuit							
Protection	Short Circuit , Over Voltage & Under Voltage Protection.							
Cooling	Forced Air Cooling							
UPS Efficiency	> 90%							
Operating Temperature	0-45DegC							
Operating Humidity	95% Condensing							
Monitoring Software	Additional Software available for remote monitoring							
Accoustic Noise	<45 Db at 1 meter							
Protection Class	Ip20							
UPS Weight (Without Batteries)	105Kg	125Kg	155Kg	198Kg	210Kg	223Kg	240Kg	423.5Kg
Dimension (L x W x H) (In mm)	(450x700 x700)	(450 x 700 x 700)	(450 x 700 x 700)	(450 x 700 x 700)	(450 x 750 x 700)	(500 x 800 x 750)	(500 x 800 x 750)	(810 x 755 x 1460)

#### Certifications

**ISO 9001:2008    ISO 14001:2004**



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