



**DSP based TRUE ONLINE
DOUBLE CONVERSION TECHNOLOGY
1 Phase Input -1 Phase Output**

S.Su.Kom

Type	1 Phase in - 1 Phase out		
Series	IntelliQ Online UPS		
Technology	DSP based Double Conversion Online UPS system with true galvanic isolation		
Ratings	1 KVA	2 KVA	3 KVA
Model No.	IQ111K	IQ112K	IQ113K
Capacity	1 KVA	2 KVA	3 KVA
INPUT PARAMETERS			
No. of Phases	1Phase-3Wire P/N/L		
Voltage Range	170 V - 280 Volts AC		
Input Frequency Range	47 to 53Hz.		
OUTPUT PARAMETERS			
Power	700 W	1600 W	2400 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		
BY-PASS	Available		
Maintenance By-Pass	Available		
BATTERIES			
No of 12V Batteries	4	15	15
Voltage	48 VDC	180 VDC	180 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		
USER INTERFACE			
Communication Port	RS-232 Server and Client		
Operating System	Windows95/98/NT/2000/XP		
GENERAL			
Indication	LCD panel		
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		
Acoustic Noise	<45 Db at 1 meter		
Protection Class	Ip20		
UPS Weight(Without Batteries)	32Kg	40Kg	57.5Kg
Dimension (L x W x H)	(490 x 225 x 350)mm	(550 x 350 x 325)mm	(475 x 350 x 610)mm



**DSP based TRUE ONLINE
DOUBLE CONVERSION TECHNOLOGY
1 Phase Input -1 Phase Output**

S.Su.Kom

Type	1 Phase in - 1 Phase out		
Series	IntelliQ Online UPS		
Technology	DSP based Double Conversion Online UPS system with true galvanic isolation		
Ratings	5 KVA	7.5 KVA	10 KVA
Model No.	IQ115K	IQ117.5K	IQ1110K
Capacity	5 KVA	7.5 KVA	10 KVA
INPUT PARAMETERS			
No. of Phases	1Phase-3Wire P/N/L		
Voltage Range	170 V - 280 Volts AC		
Input Frequency Range	47 to 53Hz.		
OUTPUT PARAMETERS			
Power	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		
BY-PASS	Available		
Maintenance By-Pass	Available		
BATTERIES			
No of 12V Batteries	15	16	16
Voltage	180 VDC	192 VDC	192 VDC
Battery Charging Current	1 Amp to 10 Amp		
Battery Recommendation	From 7.2 Ah to 200 Ah		
Battery Self Test	Automatic & Manual		
USER INTERFACE			
Communication Port	RS-232 Server and Client		
Operating System	Windows95/98/NT/2000/XP		
GENERAL			
Indication	LCD panel		
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		
Acoustic Noise	<45 Db at 1 meter		
Protection Class	Ip20		
UPS Weight(Without Batteries)	71.5 Kg	93Kg	108Kg
Dimension (L x W x H)	(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

