

# ALP Series

True Galvanic Isolation On-Line UPS 20 ~ 320KVA

**bit**  
BUSINESS  
INTELLIGENT  
TOOLS



ALP 20~60KVA



ALP 80~160KVA



ALP 240~320KVA

# ALP Series True Galvanic Isolation On-Line UPS Selection Guide

ALP On-Line UPS Specification																	
PHASE	3-Phase Input / 3-Phase Output											3-Phase Input/1-Phase Output					
KVA	20	30	40	50	60	80	100	120	160	240	320	20	30	40	50	60	
<b>INPUT(RECTIFIER)</b>																	
INPUT VOLTAGE	220V Δ / 380V Δ / 460V Δ , 208VY / 380VY / 400VY /415VY																
INPUT RANGE	± 20% (>± 20% IS AVAILABLE UPON REQUEST)																
INPUT FREQUENCY	50 / 60 Hz ± 7%																
POWER WALK IN	0% - 100% : 20 SECONDS																
EFFICIENCY	≈98%																
VOLTAGE REGULATION	± 1%																
<b>BATTERY</b>																	
BATTERY TYPE/PCS	MAINTENANCE FREE LEAD-ACID BATTERIES / 12V X 29 PCS																
MAXIMUM CHARGE CURRENT ADC (SELECTABLE)	10	15	20	25	30	40	50	60	80	120	160	10	15	20	25	30	
BATTERY START	YES, UPS CAN BE STARTED WITHOUT AC SOURCE.																
<b>INVERTER</b>																	
OUTPUT VOLTAGE	220V Δ / 380V Δ / 460V Δ , 208VY / 380VY / 400VY /415VY ± 1%											220/230/240, 1Φ2ω OR 3ω					
WAVEFORM	SINEWAVE																
OUTPUT POWER FACTOR	0.8																
FREQUENCY LOCK RANGE	45-55 Hz / 55-65 Hz																
OUTPUT FREQUENCY (FREE RUNNING)	50 / 60 Hz ± 0.1 Hz																
PHASE SHIFT UNDER 100% UNBALANCE LOAD	< 0.5°																
THD (LINEAR LOAD)	< 2%																
OVERLOAD	<100%											CONTINUOUS					
	110-125%											15 MINUTES					
	125-150%											10 MINUTES					
	>150%											1 MINUTE					
EFFICIENCY (100% LOAD)	93%	93%	93.5%	93.5%	94%	94.5%	94.5%	95%	95%	95%	95%	93%	93%	93.5%	93.5%	93.5%	
<b>STATIC SWITCH</b>																	
VOLTAGE RANGE	173-277 VAC (L-N)																
MAINS<---->INVERTER	0 MS																
<b>OVERALL CHARACTERISTICS</b>																	
OVERALL EFFICIENCY	91%	91%	91.5%	92%	92%	92.5%	92.5%	93%	93%	93%	93%	91%	91%	91.5%	92%	92%	
MAXIMUM HEAT DISSIPATION (KW)	1.3	1.9	2.6	3	3.5	4.6	5.4	6.5	8.7	13	17.4	1.3	1.9	2.6	3	3.5	
DIMENTION (HXWXD) mm	1600X550X800					80 - 160KVA: 1600X1100X800 240 - 320KVA : 1600X2200X800						1600X550X800					
WEIGHT (KG WITHOUT BATT.)	300	400	480	550	680	820	950	1180	1450	1950	2450	300	400	480	550	680	
AUDIBLE NOISE @ 1M	<65 dBA					<67dBA						<65 dBA					

\*Product specifications are subject to change without further notice

