



- True double-conversion
- LCD screen auto-rotation with Rack position (only for 10K-30K models)
- Output power factor 1
- Active PFC & DSP
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- Supports dual AC inputs
- 3-stage extendable charging design for optimized battery performance
- Parallel operation with possibility of battery sharing
- Optional isolation transformer

MODEL	10KL	15KL	20KL	30KL	40KL	60KL
PHASE	3-phase in/3-phase out or 3-phase in/1-phase out (please see below)					
POWER in Watts	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW
PARALLEL CAPABILITY	4					
INPUT						
Nominal Voltage	3 x 400 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)					
Voltage Range	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load					
Frequency Range	46~54 Hz or 56~64Hz					
Power Factor	≥ 0.99 @ 100% load					
OUTPUT						
Output Voltage	3 x 360*/380/400/415 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)				3 x 360*/380/400/415 VAC (3Ph+N)	
AC Voltage Regulation (Batt. Mode)	± 1%					
Frequency Range (Synchronized Rang)	46~54Hz or 56~64Hz					
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz					
Current Crest Ratio	3:1 (max.)					
Harmonic Distortion	≤ 2 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC mode to Battery mode	zero				zero
	Inverter to Bypass	zero				zero
Waveform (Batt. Mode)	Pure Sine Wave					
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately				
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately				
EFFICIENCY						
AC Mode	95,5%					
ECO Mode	98,5%					
Battery Mode	94,5%					
BATTERY						
Battery Type	Depending on the applications					
Numbers	20 pcs	32~40 pcs (Adjustable)				
Charging Current (max.)	1A ~ 12A (Adjustable)				1A ~ 16A (Adjustable)	1A ~ 18A (Adjustable)
Charging Voltage	+/-13.65 VDC x N (N=10)		+/-13.65V x N (N=16~20)			
PHYSICAL						
Dimension, D X W X H (mm)	680 x 438 x 133 [3U]				797 x 438 x 176(4U)	
Net Weight (kgs)	26	28	28	29	40	45
ENVIRONMENT						
Operation Temperature	0-40°C					
Operation Humidity	<95% and non-condensing					
Noise Level	Less than 62dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter	
MANAGEMENT						
Smart RS-232/USB	Supports Windows® family, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					