KSTAR

Features

- · True double-conversion
- · DSP technology guarantees high reliability
- · N+X parallel redundancy
- · Compatible with 3 phases and single phase input
- · Selectable quantity of battery for each group:16/18/20 pieces
- · Adjustable charging current via LCD
- · 3-stage charging design optimizes battery performance
- · ECO mode operation for energy saving
- · Self-diagnosis at startup
- · Emergency power off function(EPO)
- · Maintenance bypass is convenient for maintenance
- · Generator compatible
- Communications:RS-232,USB,Parallel card(Optional),SNMP card(Optional), Relay card (Optional) Cold start







KSTAR

Control Panel



Technical Specifications

Capacity (VA/Wa		UC100	UC100L	UC150L	UC200L	
respond () e i i e	itts)	10K / 9K		15K / 13.5K	20K / 18K	
NPUT				'		
Iominal Voltage			380/400/415Vac(3Ph+N+PE)	or 220/230/240Vac(L+N+PE)		
perating Voltage	e Range		208~478Vac or	120VAC-276Vac		
Operating Frequency Range		50Hz; 45~55Hz, 60Hz; 54~66Hz				
ower Factor)≼	0.99		
			Max.voltage: 220V: +25%(Optional +10%,+15%,+20%)		
Bypass Voltage Range		230V: +20%(Optional +10%,+15%)				
		240V: +15%(Optional +10%)				
		Min. voltage: -45% (Optional -20%,-30%)				
ECO Range		Same as bypass				
armonic Distorti	ion (THDi)	≤5%(100% non-linear load)				
UTPUT	, ,					
ated Voltage			220/230	1/240Vac		
Power Factor		0.9				
Voltage Regulation		± 1%				
Line Mode		$\pm 1\%$ $\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of the rated frequency(Optional)				
requency	Bat. Mode	= 1701 - 2701 - 4701 - 3701 - 1701 of the rated neglectory (Optionian)				
rest Factor	544.11040		3:1			
		 ≤2% with linear load				
armonic Distorti	ion (THDv)	≤2% with non–linear load				
/aveform		SON WILLTON THE REPORT OF THE PROPERTY OF THE				
ransfer Time		Utility to Battery : 0ms; Utility to Bypass: 0ms				
FFICIENCY			Othicy to Battery . Offis	, Othity to Bypass. Ons		
fficiency		Up to 94%		Lint	04.59/	
ATTERY		Op to 54 //	Up to 94% Up to 94.5%			
attery Voltage		Selectable Voltage: ±96/108/120Vdc				
	Timo	Selectable Voltage: ± 96/108/120Vdc 6~8 hours (To 90% capacity)				
Typical Recharge Time Charging Current		Maximum current 10A				
ROTECTION			iviaximum	current TOA		
ROTECTION	Line Manda	1.00	- 1 - 4050/ · l 4 5 · · · · - 4 500/ · l 4 4			
Overload	Line Mode			nin; > 150% 200ms turn to bypass mode	4254 (leaved becomes)	
	Bypass Mode	63A(Input breaker		100A(Input breaker)	125A(Input breaker)	
Short Circuit		Hold Whole System				
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately				
			Alarm and	I Switch off		
NDICATORS						
NDICATORS udible & Visual			Line Failure, Battery Low			
NDICATORS udible & Visual A tatus LED & LC	D Display		ckup Mode, Eco Mode, Bypass Mod	le, Battery Low, Battery Bad, Overload & UF		
NDICATORS udible & Visual , tatus LED & LC arameters On T	D Display		ckup Mode, Eco Mode, Bypass Mod			
NDICATORS udible & Visual a tatus LED & LC arameters On T	D Display The LCD Panel	Input/Output Voltage, Input/	ckup Mode, Eco Mode, Bypass Mod Output Frequency, Load Level, Batte	le, Battery Low, Battery Bad, Overload & UF ery Level, Inner Temperature & Remaining		
udible & Visual tatus LED & LC arameters On T IENT ommunication In	D Display The LCD Panel Interface	Input/Output Voltage, Input/	ckup Mode, Eco Mode, Bypass Mod Output Frequency, Load Level, Batte	le, Battery Low, Battery Bad, Overload & UF		
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NDICATORS sudible & Visual A status LED & LC varameters On T MENT communication In ENVIRONMENT Operating Tempe	D Display The LCD Panel Interface T	Input/Output Voltage, Input/	ckup Mode, Eco Mode, Bypass Mod Output Frequency, Load Level, Batte 232,USB,Parallel card(Optional), SN 0~4	ie, Battery Low, Battery Bad, Overload & UF ery Level, Inner Temperature & Remaining I IMP card(Optional), Relay card (Optional) 40°C		
NDICATORS Audible & Visual Audible & Visual Audible & Communication In Com	D Display The LCD Panel Interface T	Input/Output Voltage, Input/	ckup Mode, Eco Mode, Bypass Mod Output Frequency, Load Level, Batte 232,USB,Parallel card(Optional), SN 0 ~ - -25 -	ie, Battery Low, Battery Bad, Overload & UF ery Level, Inner Temperature & Remaining I IMP card(Optional), Relay card (Optional) 40°C -55°C		
NDICATORS Audible & Visual A Status LED & LC Parameters On T MENT Communication In ENVIRONMENT Operating Tempera Storage Tempera dumidity Range	D Display The LCD Panel Interface T	Input/Output Voltage, Input/ RS-2	ckup Mode, Eco Mode, Bypass Mod Output Frequency, Load Level, Batte 232,USB,Parallel card(Optional), SN 0~4	ie, Battery Low, Battery Bad, Overload & UF ery Level, Inner Temperature & Remaining I IMP card(Optional), Relay card (Optional) 40°C -55°C		
Note and the state of the state	D Display The LCD Panel Interface T	Input/Output Voltage, Input/ RS-; < 1500m	ckup Mode, Eco Mode, Bypass Mod Output Frequency, Load Level, Batte 232,USB,Parallel card(Optional), SN 0 ~ - -25 -	le, Battery Low, Battery Bad, Overload & UF ery Level, Inner Temperature & Remaining I IMP card(Optional), Relay card (Optional) 40°C55°Ccondensing)	Battery Backup Time MANA	
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Specifications are subject to change without prior notice.