Technical Specification

MODEL		H2500	H4000	H6000	H8000	H010K	H015K	H020K
MODE		20KHZ phase lock-up inverter On-Line Mode						
OUTPUT	VA Rating	2500	4000	6000	8000	10000	15000	20000
(At inverter	Wattage	2000	3200	4800	6400	8000	12000	16000
O/P mode)	Voltage	Single phase, voltage rating same as Input Nominal						
	Regulation	+/- 2% upon changes of line or load						
	Adjustment	+/- 10% of Nominal voltage						
	Frequency	50 / 60 HZ +/- 0.5% (Free-running)						
	Waveform	PWM Sinewave						
	THD	< 3% (Linear Load)						
	Transient	+/- 4% under full load changes						
	Response	recover to stable within 100mS						
	Synchronization	1Hz/sec. slew rate; Inverter Hz free running when I/P Hz over +/-5%						
	Crest factor	battery than 3 : 1						
INPUT	Voltage	100, 110, 208, 220V +15/-20%			220, 230 +15/-20%		380, 400 +15/-20%	
		240V+10/-25%			240V +10/-25%			
					3p 208/120V +15/-20%		3p 208/120V +15/-20%	
		Single phase/ H-N-G/ H-N-H-G			3-phase 380/220V +15/-20%			
	Frequency	50/60 Hz +/- 5%						
BACK UP	Full load (min.)	20 - 22	12 - 14	20 - 22	10 - 12	8 - 10	NONE	
	Half load (min.)	45	30	45	26	24	NONE	
BATTERY	Battery volt.	192VDC					216VDC	
	Spec.	12V/7AH 16pcs		12V/17AH 16pcs				
	Type	Lead-acid maintenance free, 3-5 years life time.						
	Recharge	90% in 8 - 10 hours						
STATIC SWITCH	Auto Mode	Active when inven inverter High/Low voltage, Inrush overload, over temperature; auto re-transfer after status reset						
	Transfer time	4 millisecond Max.						
	Manual Mode	Push control keypad to manually transfer from inverter to bypass and vice versa.						
CONTROL & INDICATION	General	Micro processor based circuitry monitors & controls messages. system operation, logs operation history and alarm						
	Control Keys	There are 8 keys for:						
		1. Display operating status & ratings.						
		2. Control system on / off of either AC or Inverter or Bypass loop						
		3. System parametrs settings						
		4. Alarm reset						
	LCD Display	Two lines 32 characters alphanumerical display provides						
		1. Ssystem operating status (auto display). 3. LCD display protection						
		2. General ratings (by pushing control keypad).						
CONTROL & INDICATION	LCD Display	1. Overload / System Fault / Synchronal						
		2. RS232 Communication Signal -- Run / Rx / Tx.						
		3. Mimic Display. 4. Green Function						
	Alarm	Power Fail / Battery Low / System Fault / Bypass / Over Load						
INTERFACE PORT	True RS232	DB9 port provides Rx/Tx signals						
		(2400bps, data length=8, no parity, stop bit=1)						
	Novell/AS400	DB9 port provides the following signals, UPS On/Bypass/Power Fail/Battery Low / System Shutdown						
ISOLATION	Between	Isolate both Hot/Neutral wires to have resistance over						
	I/P & O/P	100 Mega Ohm/500Vdc (not applicable to dual to dual voltage configuration)						
PROTECTION	Overload	Inverter 110% keep 10 sec.; Bypass 120% 30min.; 150% 25sec.						
	Shortcircut	Cur off outputs of both inverter & bypass						
	Thermal	Intenal thermal switch to protect from over-temperature, then transfer to bypass.						
	Circuit Breaker	Protect AC input Hot & battery loops						
	EMI Filter	10-100KHz at 40db; 100KHz-100MHz at 70db						
MECHANICAL	Dims. (W×D×H)*	260×600×700		390×680×700	390×790×850		520×680×970	
	mm/inch	10.2×24×28		15.4×26.8×28	15.4×31.1×32.3		20.5×26.8×38.2	
	N.W. kgs/lbs	90/198	96/211	185/407	220/484	280/616	280/616	360/792
	Connection	Hard-wiring for both Input and Output						
GENERAL	Effeciency	Inverter>90%, System>84%						
	Acoustic Noise	<50dBA				<60dBA		
	Environment	0-40 degree C, 0-90% RH Non-condensing						
OPTION	1. Intelligent Software package.							
	2. External battery bank - B1607, B3207,B3217, B4817,B5417..etc. (refer to the table below)							
	3. Socket Panel for installing U.S. twist-locking sockets.							

Type Number	B3207	B5417

Battery		12V/7AH 32pcs	12V/17AH 54pcs
Charger		2	2
Dims. (mm)		260×600×700	390×790×820
Total Backup Time (minutes)	Bank Nbr.	1set	1set
	H4000	35-40	--
	H6000	30-35	--
	H010K	15-18	--
	H020K	--	13-15

* The dimension includes the height of caster

* Specification is subject to improve without prior notice