PRODUCT SPECIFICATIONS							
MODEL NAME	1100VA	2675VA	3075VA	4000VA	5500VA	7500VA	10000VA
MAINS INPUT MODE							
Mains AC low cut UPS mode Mains AC low cut recovery UPS mode	175VAC ± 10VAC						
Mains AC ligh cut UPS mode	185VAC ± 10VAC 265VAC ± 10VAC						
Mains AC high cut recovery UPS mode	255VAC ± 10VAC 255VAC ± 10VAC						
Mains AC low cut WUPS mode	90VAC ± 10VAC						
Mains AC low cut recovery W.UPS mode	110VAC ± 10VAC						
Mains AC high cut WUPS mode	295VAC ± 10VAC						
Mains AC high cut recovery W.UPS mode	285VAC ± 10VAC						
Input Frequency Range	40Hz to 60Hz						
Voltage Output in Mains Mode	Same as input						
Mains Charging Enable/Disable	Yes Provided, you can set by front switch						
Frequency Output in Mains Mode BATTERY	Same as input						
Battery Type				LA / Tubular / SN	ΛE		
DC input voltage	12V	-	24V	48		96V	120V
Battery Quantity 12V 100Ah to 220Ah	1	2		4		8	10
Float charging voltage	13.7V±0.2V	27.4V±0.2V		54.8V±0.4V		109.6V±0.4V	137V±0.4V
Boost charging voltage for LA Battery	14V±0.2V	14V±0.2V 28V±0.3V			59.2V±0.4V		140V±0.4V
Boost charging voltage for Tubular and SMF Battery							145V±0.4V
Bulk Absorption Battery Voltage	14.8V±0.2V 29.6±0.2V 58.0V±0.4V 116V±0.4V 148V±0.4V						
Battery deep Discharge Recovery	Yes (Independent Charger to Recover Deep Discharge Battery)						
Charging Current By Grid				15A±3A			
BACKUP MODE							
Output voltage	220VAC±10%						
Output frequency Output waveform				50Hz ± 0.2 Hz Pure Sine Wave ≤ 59			
No Load current				rure sine wave ≤ 5% <1.8A	% IND		
Discharging current @ full load	62A ± 2A	70A ± 2A	90A ± 2A	60A ± 2A	90A ± 2A	66A ± 2A	66A ± 2A
Low Battery Warning	10.8V±0.2V	21.6V±0.2V	21.6V±0.2V	43.2V±0.4V	43.2V±0.4V	86.4V±0.4V	108V±0.4V
Low Battery Cut	10.4V±0.2V	20.8V±0.2V	20.8V±0.2V	41.6V±0.4V	41.6V±0.4V	83.2V±0.4V	104V±0.4V
Change over time UPS mode			< 10msec	1	1		msec
Change over time WUPS mode	< 25msec						
Cooling	Temp. Controlled Fan						
PROTECTIONS							
Overload in backup mode	Yes provided, system will indicate on display at 101% load						
Short Circuit in Backup Mode	System will shutdown after 3 - retries in case of output short circuit						
Short Circuit in Mains Mode Back feed	Mains MCB will trip						
Over temperature	System will shutdown in case of back feed and there is no retry Yes provided if heat sink temperature goes above 100°C System will shut down						
Reverse Battery	Yes provided, if heat sink temperature goes above 100°C System will shut down DC fuse will blown DC MCB will trip						
Phase to Phase protection in mains mode	DC fuse will blown DC MCB will trip Yes provided by electronic						
SOLAR CHARGE CONTROLLER				, ,			
Solar Charge Controller type				MPPT			
Max Panel wattage can be connected	750 WATT	1500) WATT	3000 WATT	4000 WATT	6500 WATT	8000 WATT
Maximum PV Voltage	50V	10	3±2V	135V	150V	250V	350V
Maximum PV current	50 Amp.						
Efficiency Reverse BV protection	> 93%						
Reverse PV protection	Yes provided, it will also display on LCD panel						
Switches Reverse current flow to PV	Menu (Select), Up, Down, Esc Yes provided						
Sharing of current when PV and Grid Both are available	If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid.						
DOD definition (Depth of Discharge)	у ро		e connect when batt				B
20% - if battery voltage is	12.5V		0V±0.2V	50.0V		100V±0.2V	125V±0.2V
DOD 30% - if battery voltage is	12.0V		0V±0.2V	48.0V	±0.2V	96V±0.2V	120V±0.2V
(Depth of Discharge) 40% - if battery voltage is	11.5V	23.	0V±0.2V	46.0V	±0.2V	92V±0.2V	115V±0.2V
50% - if battery voltage is	11.0V	22.	0V±0.2V	44.0V	±0.2V	88V±0.2V	110V±0.2V
Mode Selection			SOLAR>GRID>BATTERY				ID>BATTERY
			SOLAR>BATTERY>GRID			SOLAR>BA	TTERY>GRID
DISPLAY AND ALARMS		Valance Children	1 Mahaika Addus - C	Sustains Committee Cl	ausina Till 00)/AC	ad Dago Dissission	a thanks
LCD Initial Display			N Website Address, S S mode, I/P range 90				* *
			Frequency, Battery				
LCD Status Display			Voltage, Load %, Out				
Leb Status Display	013011		0,				iii,i v voitage.
LCD Fault / Protection Status Display	Mains Low Cut, Mains High Cut, Mains Not Available, Mains Frequency Cut Mains Fuse Blown / MCB Trip, Short Circuit, Overload, Battery Low, High Temperature, Back feed						
Buzzer Mains Fuse Blown / MCB Trip, Short Circuit, Overload, Battery Low, High Temperature, Back feed							
ENVIRONMENT							
				0°C to 50°C			
Operating Temperature	0°C to 50°C						
Storage Temperature							
Storage Temperature Operating Relative Humidity				90% Non-Conden	sing		
Storage Temperature Operating Relative Humidity WEIGHT AND DIMENSIONS							
Storage Temperature Operating Relative Humidity	425X3 15	15X335 25	415x320x415 30		15x515 48	608x4 82.8	85x660 86.6