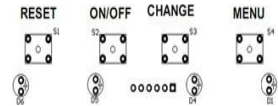


Non-Solar Specification(Li-ion inbuilt battery)

S. No.	Parameter	Unit	Rating	
1	Model name		1100/12	2100/24
2	System rating (Name Plate)	VA	1100	2100
3	Full Load Input Current ±2A	Amp	70	65
4	Input current at no load at Nominal Battery voltage	Adc	2.4	2.2
5	Standard wattage of bulb load in count ±10%	Wp	880	1680
6	Operating DC voltage	V	12.8	25.6
7	* Battery	V	12.8V 100AH LiFePo4	25.6V 100AH LiFePo4
8	* Capacity	Kwh	1.28Kwh	2.58Kwh
9	* Backup Time @400W Load ±5%	Hr	3	6
10	* Backup Time @ 100% Load ±5%	Hr	1.5	1.5
11	Nominal Output voltage in inverter mode	Vac	220V ± 7V	
12	Output supply phases		single	
13	Nominal Output Frequency of Inverter	Hz	50 ± 1	
14	Output voltage regulation 11.2-14.0V	%	180-220	
15	Overload	Sec	6 Retry	
16	Cooling Fan ON at temp	°C	60 (or 50% of rated Load or >8A Charging)	
17	Cooling Fan Off at temp	°C	55 (or 40% of rated Load or <5A Charging)	
18	Battery low voltage alarm per battery	Vdc	11.5 ± 0.2	
19	Battery low voltage cut per battery	Vdc	11.2 ± 0.2(With 1 Retry)	
20	Max Battery charging voltage per battery	Vdc	14.0 ± 0.2	
21	Max Battery charging current in Hi/Lo option	Adc	20/16 ±2A	
22	Max Battery charging Reconnect Voltage by Grid per battery in Li-ion Mode		Maintain Boost Voltage with trickle charging	
23	Grid low cut voltage (IT load/Normal load)	Vac	180/100 ± 10	
24	Grid low cut voltage recovery (IT load/Normal load)	Vac	190/110 ± 10	
25	Grid high cut voltage (IT load/Normal load)	Vac	265/280 ± 10	
26	Grid high cut voltage recovery (IT load/Normal load)	Vac	255/270 ± 10	
27	Grid charging Enable/Disable		yes	
28	Selection of UPS Load/Normal Load		yes	
29	Protections		Overload, Battery Deep discharge,Battery Overcharge,Short circuit(1retry),Battery Hi,Over Temp,Fuse Trip	
30	LCD Display parameters		Battery voltage, Mains voltage & Freq,Output Volt & freq, UPS ON/OFF, UPS Mode On/Off,Load percentage, over load, short ckt, fault, battery low, over temp, Fuse trip, (16X2 LCD)	
31	Indication LEDs		Tact switch Status	
32	Front panel details (MCB, Display, Selection switch etc)		Display with tact switch	
33	Rear panel details (MCB, Terminals etc)		O/P socket,fuse/Circuit breaker,mains & batt. Cable and fan,Terminal	
34	Changeover time from inverter to mains in UPS mode	ms	<10	
35	Changeover time from inverter to mains in Normal mode	ms	<10	
36	Changeover time from mains to inverter in UPS mode	ms	<10	
37	Changeover time from mains to inverter in Normal mode	ms	<40	
38	Battery connection		thru Copper cable 16 sqmm and 1mtr red 0.8mtr black length	
39	Mains connection		3 core copper cable size 0.75sqmm, 1.5mtr length with	Terminal 30A HT5
40	Output		3pin socket 6A	Terminal 30A HT5
41	MCB in battery path		Yes	
42	Fuse in battery path		External Fuse	
43	Grid By pass Manually		Through switch	
44	Input Protection		Resettable Circuit breaker	
45	Installation Type		Wall Mount	
46	Front panel Switch Detail			

Note: * Parameters are depends on battery rating (as per customer or product requirement) and capacity.

1	Charging Current Low High Setting		
	1A. On Pressing "MENU" button once - Charging Current present Setting will be displayed.		High Low
	1B. While "Charging Current" setting is displayed, pressing the "CHANGE" button will alternate between the available charging current options. Charging current will have two options "LO" and "HI" as displayed above.Default value "HI".		
2	Battery Selection		
	2A. On pressing "MENU" button again, selected "BATTERY TYPE" will be displayed.		Li-ion
	2B. The "BATTERY TYPE" selection will have NO options		

3	Grid Charging Mode Enable/Disable		
	3A. On Pressing "MENU" button once - Grid Charging Enable/Disable present Setting will be displayed.		Enable Disable
	3B. While "Grid Charging Mode" setting is displayed, pressing the "CHANGE" button will alternate between the available charging mode options. Charging mode will have two options "GCE(Grid Charging Enable)" and "GCD(Grid Charging Disable)" as displayed above.Default value "GCE".		
4	UPS / INVERTER Mode Selection		
	4A. On Pressing "MENU" button once - UPS/Inverter present Setting will be displayed.		Enable Disable
	5B. While "UPS/INVERTER MODE" setting is displayed, pressing the "CHANGE" button will alternate between the available Setting options. UPS/Inverter will have two options "UPD" (UPS Mode Disable) and "UPE" (UPS Mode Enable) as displayed per battery above.Default Selection is "UPD".		
6	Battery Low Cut Selection		
	6A. On Pressing "MENU" button once - Battery Low Cut present Setting will be displayed.		11.5
	6B. The "BATTERY LOW ALARM" selection will have NO options		
Note:	RESET Switch - If Switch is press for 5Sec and release after beep sound then the all setting will be resetted to default value.		