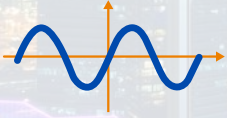




True MPPT



Pure Sinewave



Remote Monitoring



User Configurations



KEY FEATURES

- Bigger Display with more data
- Built-in Energy Meter
- Maximized Solar Usage through Intelligent modes.
- 40% less panel required than other PCU
- RS-232 (Industrial Standard MODBUS)
- Incorporated with Microchip and ST DSP Engines
- Safety and Protections
- IGBT based design and Fast Charging Wide range MPPT Input
- 6 Stage Battery Charging
- Multiple Battery Selection
- Sleek & Aesthetic design
- Works as standalone Solar Inverter in case of No-Grid

TECHNICAL SPECIFICATION

Parameters	Units	Rating							
		1KVA	1KVA	2KVA	3KVA/ 5KVA	5KVA/ 7.5KVA	7.5KVA/ 10KVA	10KVA	15KVA
Model	LIVSOL								
Operating DC Voltage	Volts	12	24	24	48	96	120	180	240

SPV PARAMETER

SPV Open Circuit Voltage Range (Min-Max)	Volts	18-45	36-90	36-90	72-180	144-360	180-450	270-450	360-600
Max SPV Power	KW	1	1	2	3/5	5/7.5	7.5/10	10	15
Compatible SPV Panels	30 / 60 / 72 Cell								

MPPT BASED CHARGE CONTROLLER

Switching Element	IGBT Module								
Controller	DSP								
Efficiency	> 95%								
Battery Charging Stages	5 (Softstart, Boost, Absorbion, Float, Equalise)								

BATTERY

Low Cut Off	Volts	10.5 / Battery +/- 2%							
Low Cut Off Recovery	Volts	11.5 / Battery +/- 2%							
Low Buzzer	Volts	10.7 / Battery +/- 2%							
High Cur Off	Volts	15.5 / Battery +/- 2%							
High Cut Off Recovery	Volts	15.0 / Battery +/- 2%							
Boost Charging Volt By SPV(TUB)	Volts	14.5 / Battery +/- 2%							
Boost Charging Volt By Grid(TUB)	Volts	14.0 / Battery +/- 2%							
Charging Current by Grid	Amps	10A +/- 2%							
No Load Battery Current	%	0.02							

OUTPUT

Output@ No Load	Volts	230 +/- 2%							
Output Frequency	Hz	50 +/- 2%							
Overload	Amps	3.5	3.5	7	10.5/ 17.4	17.4/ 26.0	26.0/ 34.8	34.8	52.2
	Watts	800W	800W	1.6KW	2.4KW/ 4KW	4KW/ 6KW	6KW/ 8KW	8KW	12KW
Output Low Retry	-	1 Time							
Output Short Circuit	-	1 Time							

GRID

No of Phase	-	1 Phase - 3 Wire P,N,E							
Voltage Range (Inverter Mode)	V	100 - 280 +/- 2%							
Voltage Range (UPS Mode)	V	175 - 255 +/- 2%							
Frequency Range	Hz	45 - 55 +/- 2%							

DISPLAY

Display	Alphanumeric	16x2 LCD	20x4 LCD	
Parameters	Output (Inverter)	Voltage, Current, Power and Frequency		
	Output (Grid)	Voltage and Frequency		
	Solar	Voltage, Current, Power and Energy (Optional)		
	Battery	Voltage, Current		
	Status/ Faults	Inverter Status, Main Status, Charger Status, Solar Status and Battery		

INVERTER

Switching Element	-	MOSFET		IGBT Module					
Output Voltage	Volts	230 +/- 2%							
Phase	-	1 Phase - 3 Wire P,N,E							
Output Waveform	-	Digitally Filtered Pure Sine Wave							
Frequency	Hz	50 +/- 2%							
Changeover (Mains to Inverter)	ms	<10ms							
Output Power Factor	Pf	0.8							
Overload Retry	-	3 Times							
Switches	-	System ON/OFF, Mode Selection: Hybrid/ PCU/ Smart, INV/ UPS Selection							
Indication (LED)	-	Inverter On, Mains In Range, Battery Low/High, Charger On, Overload, Faults							
Alarm (Audible)	-	Battery Low, Overload, Charger On, Inverter On, Solar Charger On							
Protection	-	Overload, Short Circuit Protection, Over Voltage, SPV Surge and Transient Protection (MOV Varistors), Reverse Polarity of Battery, Over Temperature							
Cooling	-	Forced Air Cooling (Temp Controlled)							
Communication	-	Remote Monitoring System (Over GPS/ BLE and Wifi) or Rs232							
Operating Temp	-	0-50							
Operating Humidity	C	95							
Protection class	%	Ip20							
Dimension (LXWXH)	mm	355x330x205	510x460x305	750x500x350	750x500x350				
Weight	Kg	18	21	31.5	40	52	63	71	85

KEY FEATURES

Upto 30% more Efficient because of MPPT Charge Controller

DSP/Controller based design Pure Sine Wave

Maximum performance to Solar Power

Extensive Electronic Protection

User Friendly : NLS, Grid Charging, IT Load, GENSET (Enable Display by LCD) & Operating Mode (Selectable)

PCU MODE PRIORITY

Solar/Battery/Grid

HYBRID MODE PRIORITY

For Load - Grid/Solar/Battery

For Charging - Solar/Grid

HYBRID MODE PRIORITY

For Day Time - Solar/Battery/Grid

For Night Time - Grid/Battery



UNLIMITED POWER

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