

## SUNPUNCH BASIC SERIES DATASHEET

INVERTER RATING (KVA)	1KVA	2KVA	3KVA	5KVA	5KVA	7.5KVA	10KVA	15KVA	20KVA	25KVA	30KVA	40KVA	50KVA
<b>A. SOLAR CHARGE CONTROLLER (SCC)</b>													
1	Charger Type & Topology												
2	PV Total Nominal Capacity (KVA)												
3	No. of MPPT Channels												
4	Per Channel PV Capacity (w)/Nominal Peak												
5	Max. open Circuit PV Volts (Voc)												
6	MPPT Voltage Range (Volts)												
7	PV Minimum Voltage (Volts)												
8	Max. I/P Amps per channel (Amps)												
9	Max. Battery Amps during PV Charging (Amps)												
10	Max. SCC O/P (Amps)												
11	Battery type Supported												
12	Min. Battery AH (Suggested)												
13	Peak charging Efficiency (%)												
<b>B. SOLAR INVERTER</b>													
1	No. of Phases/Connection Type												
2	Nominal Battery Voltage (Volts)												
3	Battery Ripple												
4	Nominal Output Voltage/Frequency (Volts/Hz)												
5	Nominal KVA Capacity (KVA)												
6	Output Amps												
7	Voltage Regulation (in stand alone Mode)												
8	Freq. Regulation (in Standalone mode)												
9	THD												
10	Load Power Factor												
11	Efficiency (%): Peak/ 100% Load/25% Load												
12	Over Loads :												
13	Max Allowed Phase Imbalance (%)												
16	Auto Bypass Feature												
<b>C. GRID CHARGER</b>													
1	Grid Voltage Range (Voltage Sync. Range)												
2	Grid Frequency Range (Freq. Sync. Range)												
3	Max Grid Import Power (KVA)												
4	Max Battery Amps During Grid Charging (Amps)												
5	Peak charging Efficiency (%)												
<b>INVERTER (KW)</b>													
1	PV Side												
2	Battery Side												
3	Grid Side												
4	Load Side												
5	System Protection												
<b>D. USER INTERFACE</b>													
<b>1. DISPLAY INTERFACE</b>													
LCD NUMERICAL DISPLAY													
<b>2. DISPLAYED PARAMETERS</b>													
1	Battery Parameters												
2	PV Parameters												
3	Grid Parameters												
4	Load Parameters												
5	Data Logging												
6	System Level												
<b>3. INDICATIONS/PROTECTION</b>													
1	LED Indications:												
2	User Keypad for Settings Change												
3	Breakers at all inputs/Space Heater/Emergency stop Button												
4	Over shoot due to misbehaviour of BHMS												
5	Remote monitoring: Optional*												
<b>Designed and Manufactured the product as for IEC</b>													
Tested as per IEC 61683, IEC 61727, EN 50530 and IEC 60068 (1, 2, 14, 30).													
<b>MISCELLANEOUS</b>													
1	Degree of Protection												
2	Cooling Method												
3	Operating Temperature												
4	Humidity (Non-condensing)												
5	Altitude (above sea level)												
6	Housing												
7	Colour Shade												
8	Cable Entry												
9	Cable Termination Type												
10	Terminal Sizes(PV/Battery/Grid/Load)												
11	Dimensions in mm (H X W X D)												
12	Approx. Weight (kg)												

Note : The specifications are subject to change due to continuous improvements.  
Higher rating systems are available on request.