

## SUNCUMULUS PREMIUM 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	Charge 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	Battery KWH												
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 (%)												
14	Auto Bypass Feature												
15	Parallel Operation with Grid/DG												
16	Power Export to Grid Facility Enable / Disable												
17	Anti Islanding from Grid												
<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	0.8	1.6	2.4	4.0	4.0	6.0	8.0	12.0	16.0	20.0	24.0	32.0	40.0
2	PV Side												
3	Battery Side												
4	Grid Side												
5	Load Side												
6	System Protection												
<b>D. USER INTERFACE</b>													
<b>1. DISPLAY INTERFACE</b>													
<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*												
Designed and Manufactured the product as for IEC      Tested as per IEC 61683, IEC 61727, IEC 62116 / IS 16169 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.