



## TECHNICAL DATA SHEET OF SOLAR POWER PACK SYSTEM

		1/2/3kW	4/5/6kW
<b>Charge Controller</b>			
Type	:	MPPT	
Array Input	:	40V-88V	80V-176V
<b>Inverter</b>			
Type	:	Bi Directional MOSFET Based, PWM with instantaneous sine wave control of Micro Processor	
Load Power Factor	:	0.8 lag to Unity	
Nominal Voltage	:	240V AC	
Frequency	:	50Hz(±0.5Hz in stand alone mode)	
Overload Capacity	:	125% for 4m, 150% for 1m	
Waveform	:	True Sine Wave	
Harmonic Distortion (Total)	:	Linear Load Max <3%	
Regulation	:	±2%	
Efficiency	:	>90% (DC to AC)	
Cooling	:	Forced Air	
<b>Battery</b>			
Type	:	Lead Acid Wet Cell	
Voltage	:	48V	96V
<b>Environmental Features</b>			
Storage Temperature	:	-25°C to +55°C	
Ambient Temperature	:	0°C to 40°C	
Humidity	:	Upto 95% RH, Non Condensing	
Acoustic Noise Level	:	<55db @ 1.5Mtr.	
Altitude	:	<1000Mtrs. Above sea level (without derating)	
<b>Protections/Controls/Indications/Additional Features</b>			
Load Surge Current	:	Provided	
Output Short Circuit	:	Provided	
Output Overload	:	Provided	
Output Over Voltage	:	Provided	
Output Under Voltage	:	Provided	
Battery Low Trip	:	Provided	
High/Low Frequency	:	Provided	
Over Temperature	:	Provided	
Input Surge Voltage	:	Provided	
Input Under/Over Voltage	:	Provided	
LED indication	:	Provided	
Array Blocking Diode	:	Provided	
RS 232 Port for Monitoring	:	Provided	
Auto Restart in case of Over Load Shut Down	:	Provided	
Alarms	:	For all Important Protections.	

Specification & other details mentioned in this sheet subject to change without any prior notice.