



Special Al Die cast Heat Sink.



Suitable for high watt peak panels
Mono Perc.



High surge carrying Capacity



100% Inhouse R&D, Production &
testing Facility at Pune.



Highest Derating temp = 60°C with
SNHM technique..

1KW-6.2KW Single Phase

DATASHEET



		Single Phase (1KW – 6.2KW) Poly Panels														
Model (KSY)(KW)		1	1.2	2	2.3	3	3.3 / 3.4	4	4 / 4.2	4.4/4.6	5	5.2	5.4	6	6.2	
Input (DC)																
Max Peak DC Input Power (KW)		1.2	1.44	2.4	2.76	3.3	3.60	4.0	4.6	4.80	5.5	6		7.0		
Max. DC I/P (V dc)		500Vdc						550Vdc	550Vdc							
Max. MPPT I/P Current (A)		13A														
MPPT Short Circuit Current (A)		20A														
MPPT Tracking Voltage (Vdc)		80-500V						80-550V	100-550V							
Min. Start Voltage (V)		80Vdc						100Vdc								
Number of MPPT Tracker		1						2								
Stings per MPPT Trackers		1														
Output (AC)																
Rated output power (kw)		1	1.2	2	2.3	3	3.3/3.4	4	4 / 4.2	4.4/ 4.6	5.0	5.2	5.4	6	6.2	
Rated Grid Voltage (V)		230V (140V - 300V)														
Nominal Grid Freq.(Hz)		50Hz / 60Hz (47-52Hz) / (57-62Hz)														
Max. output Current AC (A)		4.33	5.22	8.69	10.00	13.04	14.34	17.39	18.26	20.00	21.7	22.6	23.47	26.08	26.95	
AC Connection (With PE)		P + N + E														
THDI (%)		<3% (At Rated Power)														
Output Power Factor (%)		0.8 Leading... 1... 0.8 Lagging														
Efficiency																
Max. Conversion Eff.(%)		98.0														
Max. Euro Efficiency (%)		97.5														
Protection																
Anti-Islanding Protection		Yes Integrated														
Insulation Resistance Detection		Yes Integrated														
Residual Current Monitoring		Yes Integrated														
Over Voltage Protection		Yes Integrated														
DC Switch		Optional														
Surge Protection		MOV / SPD / Filters														
General Data																
Dimensions(W*H*D) mm		297*223*117mm						393*324.5*154mm								
Weight (Kg)		4.8Kg						10Kg								
Noise Emission (db)		<30dB														
Display		LED with LCD Display														
DC Connection Type		MC-4														
AC Connection Type		Plug in Connector / Wire cables														
Communication Interface		WiFi/ GPRS/ RS 485														
Cooling Method		Natural Convection														
Operating Ambient		-25 C - +60°C														
Relative Humidity		0% - 100%														
Max. Operating Altitude(m)		2000 (>2000 Derating)														
Protection Class		IP65														
Night Stand By Power Consumption (w)		<1														
Standard Warranty		8 Year														

Call : 9825058062

* BIS ,IEC 62109 -1/2, IEC 61727, IEC 61683, IEC 60068, IEC 62116, IEC 61000 EMC

Note - All specification are subject to change without notice due to continuous upgradation in Modules Wp capacity

