



Special Al Die cast Heat Sink.



Suitable for high watt peak panels
Mono Perc, TOPCon & Bifacial.



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



Model (KSY)(KW)	Single Phase (1KW – 6.2KW) Bifacial Panel														
	1	1.2	2	2.3	3	3.3 / 3.4	4	4.2	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	4.2	4.6	4.80	6			7.0	
Max. DC I/P (V dc)	500Vdc					550Vdc				550Vdc					
Max. MPPT I/P Current (A)	16A							20A			13A				
MPPT Short Circuit Current (A)															
MPPT Tracking Voltage (Vdc)	80-500V					80-550V				100-550V					
Min. Start Voltage (V)	80Vdc							100Vdc							
Number of MPPT Tracker	1							2							
Strings per MPPT Trackers	1														
Output (AC)															
Rated output power (kw)	1	1.2	2	2.3	3	3.3 / 3.4	4	4.2	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	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														

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