



Component level repairing with onsite service.



SNHM Technique with Higher Temp. Derating:60°C



Ti 200MHz Chip for super-fast multi tasking work.



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



Extra High DC Overloading

3KW-25KW Three Phase

# DATASHEET



## Three Phase (3KW - 25KW)

Model (KSY)(KW)	3	4	5	6	7	8	10	12(LM)	15	18	20	25
<b>Input (DC)</b>												
Max Peak DC Input Power (KW)	3.60	4.80	6.00	7.20	8.40	9.60	12.00	12.00	18.00	21.60	24.00	27.50
Max. DC I/P (V dc)	1000Vdc											
Max. MPPT I/P Current (A)	13A						26A					
MPPT Short Circuit Current (A)	20A						40A					
MPPT Tracking Voltage (Vdc)	200-1000Vdc											
Min. Start Voltage (V)	200Vdc											
Number of MPPT Tracker	1/2						2					
Strings per MPPT Trackers	1						2					
<b>Output (AC)</b>												
Rated output power (kw)	3	4	5	6	7	8	10	12	15	18	20	25
Rated Grid Voltage (V)	380V-400V (300V - 500V)											
Nominal Grid Freq.(Hz)	50Hz / 60Hz											
Max. output Current AC (A)	4.3	5.8	7.2	8.6	10.1	11.56	14.5	17.32	21.7	26.01	28.90	36.12
AC Connection (With PE)	3P + N + E											
THDI (%)	<3% (At Rated Power)											
Output Power Factor (%)	0.8 Leading... 1... 0.8 Lagging											
<b>Efficiency</b>												
Max. Conversion Eff.(%)	98.0											
Max. Euro Efficiency (%)	97.5											
<b>Protection</b>												
Anti-Islanding Protection	Yes Integrated											
Insulation Resistance Detection	Yes Integrated											
Residual Current Monitoring	Yes Integrated											
Over Voltage Protection	Yes Integrated											
DC Switch	Inbuilt											
Surge Protection	MOV / SPD / Filters											
<b>General Data</b>												
Dimensions(W*H*D) mm	425*346*160mm						425*351*200mm					
Weight (Kg)	13.7Kg						20Kg					
Noise Emission (db)	<30dB											
Display	LED with LCD Display											
DC Connection Type	MC-4											
AC Connection Type	Plug in Connector											
Communication Interface	WiFi/ GPRS/ RS 485											
Cooling Method	Natural Convection / Smart Fan Cooling											
Operating Ambient	-25C - +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