

5G PRO Technical Datasheet

Solar Grid Tie Inverter

The 5GPro Series of 3KW & 25KW Three Phase Inverter with 2 MPPTs along with wide Input & Output Voltage Range exclusively made for Indian Rooftops with Highest Energy Generation.

5G-PRO(3KW-25Kw) Three Phase



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

UPTO 11 YEAR EXTENDED WARRANTY

	Three Phase (3KW - 25KW)											
Model (KSY)(KW)	3	4	5	6	7	8	10	12(LM)	15	18	20	25
Input (DC)												
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					
Stings per MPPT Trackers	1								2			
Output (AC)												
Rates output power (kw)	3	4	5	6	7	8	10	12	15	18	20	25
Rates Grid Voltage (V)	380V-400V											
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											
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	Inbuilt											
Surge Protection	SPD / Filters											
General Data												
Dimensions(W*H*D) mm	425*351*60mm								425*321*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 (Extendable upto 11 Year)											

