

5G PRO+ Technical Datasheet

Solar Grid Tie Inverter

The 5GPro+ Series of 3.6KW & 4.2KW Single Phase Inverter with 1 MPPTs along with wide Input & Output Voltage Range exclusively made for Indian Rooftops with Highest Energy Generation.



5G-PRO+(3.6KW-4.2Kw)
Single Phase- 16 AMP



Special Al Die cast Heat Sink -
Works Upto 60° C



Suitable for high watt peak panels
Mono PERC & Bifacial with 16Amp.



Ti 360 Third Generation DSP for High
Energy Generation



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



Wide AC Range -145V~290V

UPTO 11 YEAR EXTENDED WARRANTY

Technical Specification for 3.6KW & 4.2KW 1MPPT (510Wp ~ 550Wp Mono / Bifacial Panels)

	Single Phase (1 MPPT)	
Model (KSY)(KW)	3.6KW	4.2KW
Input (DC)		
Max Peak DC Input Power (kW)	3.6KW	4.2KW
Max. DC I/P (V dc)	550Vdc	
Max. MPPT I/P Current (AMPS)	16AMPS	
MPPT Short Circuit Current (AMPS)	20AMPS	
MPPT Tracking Voltage (Vdc)	100-550V	
Min. Start Voltage (Vdc)	100Vdc	
Number of MPPT Tracker	1	
Stings per MPPT Tracker	1	
Output (AC)		
Rates output power (kw)	3.6KW	4.2KW
Rates Grid Voltage (V)	230V (145V~295V)	
Nominal Grid Freq.(Hz)	50Hz / 60Hz (47-52Hz) / (57-62Hz)	
Max. output Current AC (AMPS)	15.66AMPS	18.26AMPS
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	Not Included (Optional)	
Surge Protection	SPD / Filters	
General Data		
Dimensions(W*H*D) mm	393*324.5*154mm	
Weight (Kg)	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 (To Be Specified)	
Cooling Method	Natural Convection	
Operating Ambient	- +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)	
No of Panels Recommendation for 510~550Wp Bifacial Panels	6 NOS	8 NOS

