



5G PRO GRID-TIE SOLAR INVERTER



CORE FEATURES



Maximum Efficiency Upto 99.09%



100% Inhouse R&D, Production & testing Facility



IP 65 with Fire, Water & IK10 Resistance Cabinet



Wide DC & AC Voltage Range



100% Indian Design to work in Harsh Conditions

30kW-60kW Three Phase

	Three Phase (30KW – 60KW)						
Model (KSY)(KW)	30	33	35	40	45	50	60
Input (DC)							
Max Peak DC Input Power (KW)	36	39.6	42	48	54	60	60
Max. DC I/P (V dc)	1100Vdc						
Max. MPPT I/P Current (A)	30A						
MPPT Short Circuit Current (A)	46A						
MPPT Tracking Voltage (Vdc)	200-1000Vdc						
Min. Start Voltage (V)	200Vdc						
Number of MPPT Tracker	3			4			
Strings per MPPT Trackers	2						
Output (AC)							
Rated output power (kw)	30	33	35	40	45	50	60
Rated Grid Voltage (V)	380V-400V (300V - 500V)						
Nominal Grid Freq.(Hz)	50Hz / 60Hz						
Max. output Current AC (A)	43.35	47.68	50.57	57.80	65.02	72.25	86.70
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			98.7			
Max. Euro Efficiency (%)	97.5			98.3			
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	MOV / SPD / Filters						
General Data							
Dimensions(W*H*D) mm	580*435*242mm						
Weight (Kg)	40Kg						
Noise Emission (db)	<30dB						
Display	LED with LCD Display						
DC Connection Type	MC-4						
AC Connection Type	Terminal Block						
Communication Interface	WiFi/ GPRS/ RS 485						
Cooling Method	Natural Convection / Smart Fan Cooling						
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						