KSolare

5G MEGA Technical Datasheet

Solar Grid Tie Inverter

The 5G MEGA Series of 60KW-110KW Three Phase Inverter with 4 MPPTs along with wide Input & Output Voltage Range exclusively made for Indian Rooftops with Highest Energy Generation.

5G-MEGA(60KW-110Kw) Three Phase

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- Inbuilt AC/DC SPD's with DC fuse & RCCB etc..
- Suitable for high watt peak panels Mono Perc & Bifacial.
- 100% Inhouse R&D, Production & testing Facility at Pune.
- IP65 & IP66 Dynamic intelligent cooling & String level monitoring.
- Individual String Level Monitoring RMS Available

UPTO 11 YEAR EXTENDED WARRANTY

	Three Phase (60KW - 110KW)						
Model (KSY)(KW)	**60**	**70**	**75**	**80**	**90**	**100**	**110**
Input (DC)							
Max Peak DC Input Power (KW)	**72**	**84**	**90**	**96**	**100**	**120**	**130**
Max. DC I/P (V dc)	1100Vdc						
Max. MPPT I/P Current (A)	36A			48A & 36A		60A	
MPPT Short Circuit Current (A)	45A			60A & 45A		75A	
MPPT Tracking Voltage (Vdc)	250-1000V						
Min. Start Voltage (V)	250VDC						
Number of MPPT Tracker	4						
Stings per MPPT Trackers	3			4+3	4+3	5	
Stings Level Monitoring	Inbuilt						
Output (AC)							
Rates output power (kw)	**60**	**70**	**75**	**80**	**90**	**100**	**110**
Rates Grid Voltage (V)	400V						
Nominal Grid Freq.(Hz)	50Hz/60Hz						
Max. output Current AC (A)	86.7	101.2	108.4	115.6	130.1	144.5	159.0
AC Connection (With PE)	3P + N + E / 3P +PE						
THDI (%)	<3% (At Rated Power)						
Output Power Factor (%)	0.8 Leading... 1... 0.8 Lagging						
Efficiency							
Max. Conversion Eff.(%)	98.9						
Max. Euro Efficiency (%)	98.5						
General Data							
Dimensions(W*H*D) mm	705*650*283mm					800*672*315mm	
Weight (Kg)	75kg					85kg	
Noise Emission (db)	<60dB						
Display	LED Indications for IP66 with LCD Optional						
DC Connection Type	MC-4						
AC Connection Type	Terminal Block						
Communication Interface	WiFi/ GPRS/ RS 485 / String level Monitoring						
Cooling Method	Inteligent Force Cooling + Natural Cooling						
Operating Ambient	- 25°C - +60°C						
Relative Humidity	0% - 100%						
Max. Operating Altitude(m)	5000 (>4000 Derating)						
Protection Class	IP66 / IP65						
Night Stand By Power Consumption (w)	<5						
Standard Warranty	8 +3 = 11 Years (Extendable upto 11 Year)						
Protection							
Safety Standard	Yes Integrated						
Environment Protections	Yes Integrated						
Anti-Islanding Protection	Yes Integrated						
Insulation Resistance Detection	Yes Integrated						
Residual Current Monitoring	Integrated / Inbuild						
DC Switch	Supported						
Surge Protection	DC/AC : Type II (DC Fuse)						

BIS ,IEC 62109 -1/2, IEC 61727, IEC 61683, IEC 60068, IEC 62116, IEC 61000 EMC

Call Lobel For More Details - 9825058062

* Note All specification are subject to change without notice due to continuous upgradation in Modules Wp capacity