

GRID TIE POWER INVERTER

Technical Specification (Three Phase)

MODEL	SG10K3	SG30K3	SG50K3	SG100K3
POWER OUTPUT	10KW	30KW	50KW	100KW
MAX DC VOLTAGE	450 VDC		880 VDC	
MPPT VOLTAGE RANGE	220-380 VDC		450-820 VDC	
MAX DC POWER INPUT	11KWp	33KWp	55KWp	110KWp
MAX INPUT CURRENT	50A	150A	130A	250A
RATED GRID VOLTAGE	400VAC			
GRID VOLTAGE RANGE	310-450 VAC			
GRID FREQUENCY RANGE	47- 51.5Hz / 57-61.5 Hz			
INVERTER EFFICIENCY	≥ 94 %			
GRID CURRENT THD	< 3% AT NOMINAL POWER			
POWER FACTOR	≥ 0.99 AT NOMINAL POWER			
SELF CONSUMPTION AT NIGHT	AS PER BACKUP REQUIREMENT			
DISPALY	LCD PANEL			
COMMUNICATION INTERFACE	RS485			
OPTIONAL COMMUNICATION	Ethernet / GPRS			
COLLING METHOD	CONTROLLED FORCED AIR COOLING			
DIMENSIONS (LxWxH) mm	530x900x500	820x1964x646	820x1964x646	1020x1964x770
WEIGHT	150.0 kgs	400.0 kgs	700.0 kgs	900.0 kgs
OPERATING TEMP	0-50 ⁰ C			
QUALITY ASSURANCE	ISO-9001 CERTIFIED COMPANY			

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