



SYT Series

5KW-25KW

The SYT Series of our company fuses higher capacity in a lightweight compact design. Best for commercial uses, our three-phase inverters function at smart string levels, which makes monitoring and diagnosis seamless.

Best Compatible with Bifacial PV modules.



High MPPT Range with inbuilt global MPP scan for higher yield efficiency



AC/DC built-in Type II SPD and I-V curve diagnosis supported



Remote monitoring the system via app or portal with access to easy upgradation



IP 65 rated, engineered to last with maximum flexibility, making it suitable for outdoor installation

Three Phase Inverters

Model	SYT5KW	SYT6KW	SYT8KW	SYT10KW	SYT12KW	SYT15KW	SYT17KW	SYT20KW	SYT25KW	
INPUT (PV)										
Max. Input Power[W]	7500	9000	12000	15000	18000	22500	25500	30000	37500	
Max. Input Voltage[V]	1100	1100	1100	1100	1100	1100	1100	1100	1100	
Start-up Input Voltage[V]	140	140	140	140	140	140	140	140	140	
Rated Input Voltage[V]	600	600	600	600	600	600	600	600	600	
MPPT Operating Voltage Range[V]	140 ~ 1000									
Max. Input Current[A]	16			32						
Max. Short-circuit Current[A]	20			40						
No. of Independent MPP Trackers	2									
No. of Strings per MPP Tracker	1+1			2+2						
OUTPUT (AC)										
Rated Grid Voltage[V]	3/N/PE, 220/380, 230/400, 240/415									
Rated Output Power[W]	5000	6000	8000	10000	12000	15000	17000	20000	25000	
Rated Grid Frequency[Hz]	50/60									
Rated Output Current[A]	7.2	8.7	11.6	14.5	17.4	21.7	24.6	29.0	36.2	
Max. Output Current[A]	8.0	9.6	12.8	15.9	19.1	23.9	27.1	31.9	39.9	
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)									
Total Harmonic Distortion [THDi] [%]	<3									
EFFICIENCY										
Peak efficiency	99.8									
Euro efficiency	97.8									
MPPT efficiency	98.6									
PROTECTION										
Insulation Monitoring	YES									
Residual Current Monitoring	YES									
PV String Current Monitoring	YES			Optional						
DC Reverse Polarity Protection	YES									
Anti-islanding Protection	YES									
AC Short-circuit Protection	YES									
AC Overcurrent Protection	YES									
AC Overvoltage Protection	YES									
Surge Protection	DC/AC: Type II									
DC Switch	Optional									
AFCI	Optional									
GENERAL DATA										
Dimensions (WxHxD) [mm]	370*480*183.5									
Weight [kg]	17			20			21			
Cooling Method	Natural Convection			Fan						
Topology	Transformerless									
Noise Emission (typical) [dB]	<30			<55						
Max. Operating Altitude [m]	3000									
Operating Temperature Range [°C]	-25 ~ 60									
Humidity [%]	0 ~ 100 (No Condensation)									
Protection Degree	IP65									
Internal Consumption at Night [W]	<3									
Monitoring Module	WIFI / 4G (Optional)									
Communication	RS485, Meter, DRM, Estop									
Display	LCD, Touch Key, App, Website									
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)										
Safety	EN 62109-1/2, BIS IS 16169, BIS IS 16221-1/2									
EMC	EN 61000-6-1/2/3/4									
Grid Regulation	AS/NZS-4777.2, C10/11, EN50549-1, PN EN-50549-1, VDE-AR- N4105, RD 1699, CEI 0-21, NB/T 32004, VDE V 0126-1-1, UTE C 15-712-1									