



SYT Series

30KW-80KW

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	SYT30KW	SYT35KW	SYT40KW	SYT50KW	SYT60KW	SYT70KW	SYT80KW
DC INPUT							
MAX DC Voltage	1000V - 1100V						
Operating Voltage Range (DC)	200-850V						
Full power MPPT voltage range	250-850V						
Rated Voltage DC	650V						
Startup Voltage	250V						
No of MPPT	2			4	4	4	4
No of Strings per MPPT	3/3	3/3	3/3	4/3	4/3	4/4	4/4
Max. permissible DC current / MPPT	40A/40A	40A+40A	40A+40A	4X40A	4X40A	4X40A	4X40A
DC Connection Type	MC4 Connector						
AC OUTPUT							
Nominal AC Output power	30KW	35KW	40KW	50KW	60KW	70KW	80KW
Max AC Current	43.5A	50.7A	58A	79.7A	87A	101 A	127A
Rated Voltage	420-430V -440V/ 50 Hz as Per the Indian Grid Standards.						
Operating voltage Range	277-460V Variable						
Operating Frequency Range	45-55Hz Variable						
AC connection configuration	3P+N+E						
Power Factor	0.8 leading ~0.8 lagging (full load)						
I THD	<2.3%						
Standby Consumption	<0.2W						
DC Current Injection	<0.5%						
EFFICIENCY							
Peak efficiency	98.50%	98.50%	98.80%	98.80%	98.80%	98.80%	98.80%
Euro efficiency	98.20%	98.20%	98.50%	98.50%	98.50%	98.50%	98.50%
MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
FEATURES/PROTECTIONS							
Display type (LED/LCD)	3.5 Inch LCD Display with LED Indicators						
communication Port	RS 485, WIFI, GPRS, RS-232						
Ground fault monitoring	INTEGRATED						
Thermal Protection	INTEGRATED						
Power switch DC side	INTEGRATED						
RCD monitoring	INTEGRATED						
DC reverse polarity protection	INTEGRATED						
Built in DC SPD type	TYPE II + II SPD+GDT						
Built-in AC SPD type	TYPE II + II SPD+GDT						
Anti-Islanding Protection	INTEGRATED						
Output Over Current Protection	INTEGRATED						
Anti-PID feature	OPTIONAL						
DC-AC conversion topology	Transformerless						
AMBIENT CONDITIONS							
Operating Temperature Range	Minus 25°C + 60°C (>50°C Derating)						
Protection level (IP)	IP65						
Operating Elevation / Altitude	≤4000m						
Cooling	Natural Convection + Forced Cooling						
Noise level dB	<30 dB						
Dimensions	362X577X215			647.5Wx537Hx303.5D		700Wx575Hx297D	
Weight	23KG			44.5KG	44.5KG	60KG	81KG
Warranty	10 Years Standard Warranty						
CERTIFICATES							
Grid condition /Anti Islanding/EMC/ Performance /Environmental /safety	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2, IEC 62116, IEC 61727						