



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.



AC/DC built-in Type II SPD (Optional) and I-V curve diagnosis supported.



10s level interval of data update (Optional) and multiple interfaces for presenting data.



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

Three Phase Inverters

Model INPUT (PV)

SYT5KW SYT6KW SYT8KW SYT10KW SYT12KW SYT15KW SYT17KW SYT20KW SYT25KW

Input Power[W]	15000	16000	18000	10000	12000	15000	17000	20000	25000	
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]	45/55									
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	98.6									
Euro efficiency	97.8									
MPPT efficiency	99.8									

PROTECTION

Insulation Monitoring	INTEGRATED									
Residual Current Monitoring	INTEGRATED									
DC Reverse Polarity Protection	INTEGRATED									
Anti-islanding Protection	INTEGRATED									
AC Short-circuit Protection	INTEGRATED									
AC Overcurrent Protection	INTEGRATED									
AC Overvoltage Protection	INTEGRATED									
Surge Protection	DC/AC: Type II									
DC Switch	Yes									
AFCI	Optional									

GENERAL DATA

Dimensions (WxHxD) [mm]	370*480*183.5									
Weight [kg]	17			20			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 / GPRS									
Communication	Rs485									
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									

WARRANTY

On Inverters and Accessories	10 years conditional warrenty									
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