

SYT Series

100KW to 136KW

The SYT Series infuses capacity with higher efficiency in a lightweight compact design. The option ranges from 100KW to 136KW that yields high performance for longer generation.

- Best Compatible with Bifacial PV and N-Type TOPCON Modules
- PV String Current Monitoring
- AFCI Function
- IP66 and C5 Protection
- 40A Input Current



PV String Current
Monitoring



PID Recovery



IP66 Rating



LED, Wi-Fi + App

- Smart Air Cooling
- Surge Protection Type II (DC & AC)

- Max. Efficiency 98.6%
- Insulation Monitoring

THREE PHASE INVERTERS

MODEL SYT	100KW	110KW	125KW	136KW
INPUT (DC)				
DC Input Watt	100000	1100000	125000	136000
Max. Input Voltage [V]	1100			
Start-up Input Voltage [V]	250			
Rated Input Voltage [V]	600			
MPPT Operating Voltage Range [V] <small>(Full Load)</small>	550 ~ 850			
MPPT Operating Voltage Range [Vdc]	200 ~ 1000			
No. of Independent MPP Trackers	2x9	2x9	2x10	2x10
Max. Input Current [A]	40			
Max. Short-circuit Current [A]	50			
OUTPUT (AC)				
Rated Output Power [kW]	100	110	125	136
Max. Output Current [A]	166.7	183.3	189.4	200
Rated Grid Voltage [Vac]	400, 3W+N+PE			
Grid Voltage Range [Vac]	320 ~ 460			
Grid Frequency Range [HZ]	55 ~ 65			
Adjustable Power Factor	0.8 Leading ~ 0.8 Lagging			
THDi [%]	<3			
EFFICIENCY				
Max. Efficiency [%]	98.6			
Euro. Efficiency [%]	98.2			
PROTECTION				
DC Switch	INTEGRATED			
DC Reverse Polarity Protection	INTEGRATED			
AC Overcurrent Protection	INTEGRATED			
AC Short-circuit Protection	INTEGRATED			
Surge Protection	DC Type II / AC Type II			
PID Recovery	INTEGRATED			
Insulation Monitoring	INTEGRATED			
Residual Current Monitoring	INTEGRATED			
AFCI	Optional			
PV String Current Monitoring	Optional			
GENERAL DATA				
Dimensions (W*H*D) [mm]	975*630*360			
Weight [kg]	90			
Operating Temperature [°C]	-30 ~ 60			
Cooling Method	Smart Air Cooling			
Operating Altitude [m]	4000 (>3000m Derating)			
Relative Humidity Range [%]	0 ~ 100 (non-Condensing)			
Ingress Protection Rating	IP66			
Isolation Method	Transformerless			
Display	LED, Wi-Fi + APP			
Communication	RS485 / USB / Wi-Fi + LAN / 4G			
DC Connection Type	MC4 Similar			
AC Connection Type	OT Terminal			
Warranty	10 years conditional warranty			
STANDARD				
Certificates	IEC 62109, IEC 61727, IEC 62116, IEC 60068, IEC 61683, IEC 61000-6-3, EN 50549			