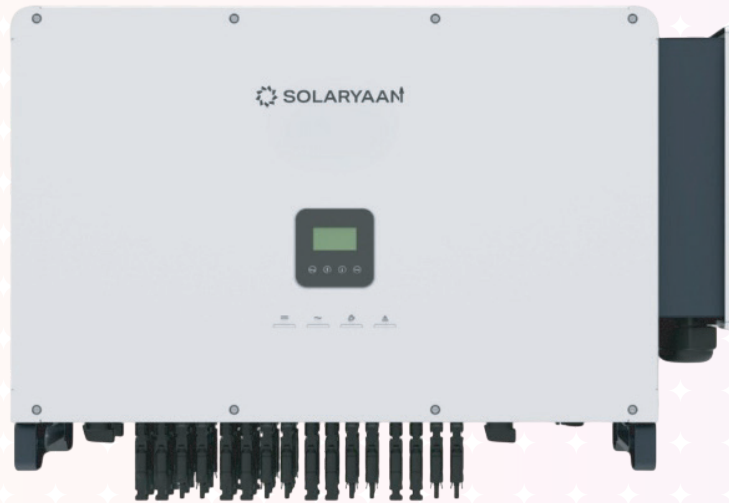


SYT Series

100KW-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.



PV String Current Monitoring



PID Recovery



IP66 Rating



LED, Wi-Fi + App



Overloading 20%

- Best Compatible with Bifacial N-Type TOPCON, HJT Modules
- PV String Current Monitoring
- AFCI Function
- IP66 and C5 Protection
- 40A Input Current
- Smart Air Cooling
- Surge Protection Type II (DC & AC)
- Max. Efficiency 98.6%
- Insulation Monitoring

+91 83 3388 3388

info@solaryaan.com

www.solaryaan.com

@solaryaan

Solaryaan : A 1002, Times Square 2, Sindhu Bhavan Road, Thaltej, Ahmedabad, Gujarat 380054

*Feature to be upgraded in the future. (T&C Apply)

Three Phase Inverters – Technical Specifications

Model	SYT100KW	SYT110KW	SYT125KW	SYT136KW
DC Input				
DC Input Watt	130000W	143000W	162500W	176800W
Max. Input Voltage	1100V			
Start-up Input Voltage	250V			
Rated Input Voltage	600V			
MPPT Operating Voltage Range (Full Load)	550V ~ 850V			
MPPT Operating Voltage Range	200V ~ 1000V			
No. of Independent MPP Trackers	2x9		2x10	
Max. Input Current per MPPT	40A			
Max. Short-circuit Current	50A			
AC Output				
Rated Output Power	100KW	110KW	125KW	136KW
Max. Output Current	166.7A	183.3A	189.4A	200A
Rated Grid Voltage	415/3P/N/PE, 3P/PE			
Grid Frequency Range	50 ~ 60Hz			
Adjustable Power Factor	>0.99%			
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	INTEGRATED			
PV String Current Monitoring	INTEGRATED			
GENERAL DATA				
Dimensions (W*H*D)	975*630*360mm			
Weight	90kg			
Operating Temperature	-30 to + 60			
Cooling Method	Smart Air Cooling			
Operating Altitude	4000m (>3000m Derating)			
Relative Humidity Range	0 ~ 100% (non-Condensing)			
Ingress Protection Rating	IP66			
Isolation Method	Transformerless			
Display	LED Indicators - Web - Application			
Communication	RS485 / USB / Wi-Fi + LAN / 4G			
DC Connection Type	MC4 Similar			
AC Connection Type	OT Terminal			
Warranty	10 Years			
STANDARD				
BIS/IEC	IS 16221 (PART 2):2015/IEC 62109-2 :2011 & IS 16169 :2014/IEC 62116 :2008 IEC 60068-2-1:2007, IEC60068-2-2:2007, IEC60068-2-14:2009, IEC60068-2-30:2005EN IEC 61000-6-3:2021,EN IEC 61000-6-1:2019,IEC61683:1999IEC 61727:2004, IEC 62116:2014IEC/EN 62109-1: 2010,IEC/EN 62109-2: 2011			