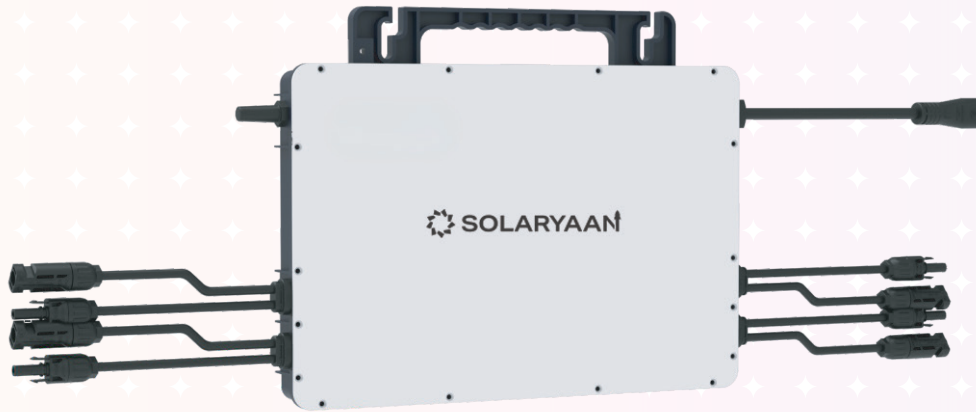


SYM Series

1600W-2400W



www.solaryaan.com



HIGH PERFORMANCE

Low start-up voltage, wide voltage range, more efficient.



EASY INSTALLATION

Flexible configuration, plug & play set-up



IP 67 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.



REMOTE MONITORING

Monitor your system remotely via smart phone app or web portal.

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

Technical Specifications



Model	SYM1600W		SYM1800W	SYM2000W	SYM2400W
DC OUTPUT					
Applicable module power	365Wp-700Wp				
Max. DC voltage	60V				
Operating voltage range	23.5V ~ 60V				
MPPT voltage range	30V ~ 60V				
MPPT voltage range(full load)	35V ~ 50V				
Start-up voltage	32V				
No. of MPPTs	4				
No. of PV module connections	4				
Max. input current Per MPPTs	20A				
Max. short circuit current Per MPPTs	26A				
AC OUTPUT					
Norminal AC power	1600W	1800W	2000W	2400W	
Max. apparent AC power	1600VA	1800VA	2000VA	2400VA	
Rated grid voltage	L+N+PE, 230V				
Rated grid Frequency	50/60Hz				
Norminal AC current	7.3A	8.2A	9.1A	11.0A	
Max. AC current	7.3A	8.2A	9.1A	11.0A	
No. of inverters per 6 sq mm cable	4	4	3	2	
Power factor	>0.99				
Total harmonic distortion ₁ (@rated output)	<3%				
EFFICIENCY					
MPPT efficiency	99.80%				
Max. efficiency	95.50%				
GENERAL DATA					
Dimensions (W*H*D)	358*276.5*36.5mm				
Weight	6.0kg				
Cooling Method	Natural (Fanless)				
Ingress Protection	IP67				
Max. Operating Altitude	2000m				
Operating temperature range	-25°C ~ +60°C				
Storage temperature range	-40°C ~ +70°C				
Humidity	0 ~ 100% (No condensation)				
Protective class					
Overvoltage category	(AC side), (DC side)				
DC connector type	MC4 or MC4 compatible				
Power consumption at night	<0.3W				
Topology	Transformer isolation				
Communication	Wireless 2.4GHz WiFi, Bluetooth				
Monitoring platform	System monitoring platform				
Warranty	10 Years				
CERTIFICATE					
BIS	IS 16221 (PART 2) : 2015 / IEC 62109-2 : 2011, IS 16169 : 2019 / IEC 62116 : 2014 IS 17980 : 2022 / IEC 62891 : 2020				