



# DATASHEET

## Single-Phase S1 Series

700S1 / 1000S1 / 1500S1 / 2000S1 /  
2500S1 / 3000S1 / 3300S1\*

# S1 SERIES

## SINGLE MPPT INVERTERS

Solar Distribution offer a range of single MPPT single-phase inverters offering unparalleled efficiency and performance. Our range starts with the S700S1 - small and compact - and with an ultra-low start-up voltage that will ensure you harvest the most energy possible from your solar panels.



### High Performance

Low start-up voltage, wide voltage range, 97.4% maximum efficiency



### Battery Ready

Full optimised for upgrade to the Solar Distribution range of battery storage systems



### IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation

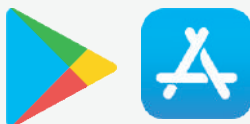


### Remote Monitoring

Monitor your system remotely via smartphone app or web portal

## ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform.



## THE S1 SERIES



Visit [www.solardistribution.eu](http://www.solardistribution.eu) or call us.

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# TECHNICAL SPECIFICATIONS

Model	700S1	1000S1	1500S1	2000S1	2500S1	3000S1	3300S1
<b>INPUT</b>							
<b>PV</b>							
Max. Recommended DC Power [W]	1050	1500	2250	3000	3750	4500	4950
Max.DC Voltage [V]	500	500	500	500	550	550	550
Nominal DC Operating Voltage [V]	360	360	360	360	360	360	360
Max. Input Current [A]	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Max. Short Circuit Current [A]	15	15	15	15	15	15	15
MPPT Voltage Range [Vdc]	50-500 Vdc	50-500 Vdc	50-500 Vdc	50-500 Vdc	50-550 Vdc	50-550 Vdc	50-550 Vdc
Start-up Voltage [V]	60	60	60	60	60	60	60
No. of MPP Trackers	1	1	1	1	1	1	1
Strings Per MPP Tracker	1	1	1	1	1	1	1
<b>OUTPUT</b>							
<b>AC</b>							
Nominal AC Power [W]	700	1000	1500	2000	2500	3000	3300
Max. Apparent AC Power [VA]	800	1100	1650	2200	2750	3300	3300
Rated Grid Voltage [Vac]	220/230/240						
Rated Grid Frequency [Hz]	50/60						
Nominal AC Current [A]	3.0	4.3	6.5	8.7	10.9	13.0	14.3
Max. AC Current [A]	3.5	4.8	7.2	9.6	12.0	14.3	14.3
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)						
Total Harmonic Distortion (THDi, Nominal output)	<3%	<3%	<3%	<3%	<3%	<3%	<3%
<b>EFFICIENCY</b>							
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.50%	96.50%	96.50%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.20%	97.20%	97.30%	97.40%	97.40%	97.40%	97.40%
<b>PROTECTION</b>							
DC Reverse Polarity Protection				YES			
Anti-Islanding Protection				YES			
Insulation Monitoring				YES			
Residual Current Monitoring				YES			
AC Short Circuit Protection				YES			
AC Output Over Current Protection				YES			
AC Output Over Voltage Protection				YES			
Surge Protection				YES			
Temperature Protection				YES			
Integrated DC Switch				Optional			
<b>STANDARD</b>							
Safety	IEC 62109-1/2						
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3						
Certification	AS4777.2-2015/G98-1/G99-1/EN50549-1/CEI 0-21						
<b>GENERAL DATA</b>							
Dimensions (WxHxD) [mm]	334*350*115						
Weight [kg]	7.8						
Cooling Concept	Natural						
Topology	Transformerless						
Ingress Protection (according to IEC60529)	IP65						
Over Voltage Category	III (AC side), II (PV side)						
Noise Emission (typical) [dB]	<30						
Max. Operating Altitude [m]	3000 (derating when >2000)						
Operating Temperature Range	-20..... +60°C (derating at +45°C)						
Humidity	0-100% (No condensation)						
Self Consumption (night) [W]	<1						
Monitoring Module (optional)	External WIFI/Lan/GPRS (optional)						
Communication	Meter, CT, DRM, RS 485						
Display	LCD screen, Touch Key, App, Website						

\*India and Poland markets only.

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