KAYAM
Save Power Go Green
Kayam Care +91 9024 254 254

S SERIES





- IP65 Weather Protection
- Excellent Low Light Sensitivity
- Rugged cast Aluminium Chassis
- WiFi module as standard for free
- 5 Year Warranty Standard
- Leading edge capacitor control technology
- Dynamic MPPT efficiency >99.9% (Euro efficiency >97.3%)

High quality electronic capacitors from EPCOS world leading supplier Epcos

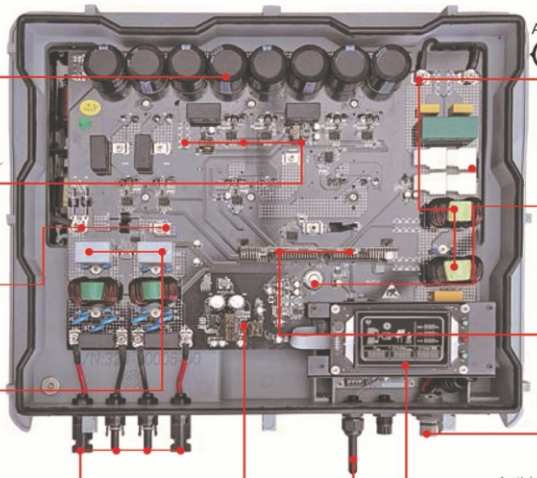
Core components, from Fairchild and Infineon, long lifetime and high efficiency FAIRCHILD SEMICONDUCTOR Infineon

latest DC capactors, dual dynamic trackers, make your system always work at max power

Film capacitors from VISHAY

Industry standard MC4 Connectors

Intelligent microchips from ST Microelectronicsenable the inverter to operate from 75Volts



Amorphous Core Components from HITACHI to ensure inverter operate stable

Relay from the international brand Panasonic

Dual Core Processor from Texas Instruments

Weatherproof AC connectors

Anti-UV LCD display has a 50,000 hour continuous operation lifespan

Smart WiFi system from MARVELL allows consumers to monitor their PV system performance in real time

Kayam Solar Corporation Private Limited,
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TECHNOLOGY PARAMETERS

Model No	S3600TL	S4400TL	S5000TL	S6000TL
DC side/Input parameters				
Max. DC power [W]	3680	4500	5500	6100
Max. DC voltage [Vdc]	550	550	550	550
Min. System start/Shut down voltage [Vdc]	75/100	75/100	75/100	75/100
MPPT voltage range[Vdc]	100~550	100~550	100~550	100~550
Max. input current [A]	13.5/13.5	13.5/13.5	15/15	15/15
Number of MPP trackers	2	2	2	2
Strings per MPP tracker	1	1	1	1
AC side/output parameters				
Nominal output power [W]	3300	4000	4600*	5500*
Maximum output power [W]	3680	4400	5000**	6000**
Nominal output voltage/range [V]	208,220,230,240/180~270			
AC grid frequency/range [Hz]	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz			
Maximum output current [A]	16	21	23	26
AC connection(with PE)	Single phase	Single phase	Single phase	Single phase
Current distortion(THDi) [%]	<2.5	<2.5	<2.5	<2.5
Power factor [%]	> 99.9	> 99.95	> 99.95	> 99.95
Efficiency				
Maximum conversion efficiency[%]	97.5	97.6	97.8	97.8
European efficiency[%]	97.1	97.2	97.3	97.3
MPPT efficiency[%]	99.9	99.9	99.9	99.9
Safety and protection				
DC reverse-polarity protection	yes			
Anti-islanding / Overvoltage protection	yes			
Short circuit protection	yes			
Leakage current protection	yes			
Grid monitoring / Ground fault monitoring	yes			
DC/AC side varistors(thermally protected)	yes			
General Parameters				
Dimension(L/W/H)[mm]	480*400*180			
Weight (kg)	20.1			
Embedded DC Switch	Optional			
Night power consumption[W]	< 0.2			
Isolation type	Transformerless			
Protection degree	IP65 according to IEC60529			
Operation temperature[°C]	-25 ~ 60			
Cooling concept	Natural convection			
Operatiing Altitude[m]	<2000m without power derating			
Acoustic noise level[dB]	<25			
Display	Graphic LCD			
Communication Interface	Standard WIFI; RS485(optional)			
Certificates and ApprovalsGeneral	CE-(EMC/LVD) : EN(IEC) 61000-1/-2/-3/; EN(IEC) 62109-1/-2			
	IEC 61727/62116;G83-3/G59-3; EN50438;VDE-0126-1-1;			
	VDE-AR-N4105;AS4777.2;AS4777.3;CQC			
Warranty	5 years; 10/15/20 years for optional			

***4600W according to VDE-AR-N-4105 standard.**

****AC max output can be adjustable according to different standards.More technical characteristics are avaliable on demand and customized.**