

S SERIES



Optional color Yellow



Optional color Gray



Optional color Blue



IP65 Weather Protection



Excellent Low Light Sensitivity



Rugged cast Aluminium Chassis



WiFi module as standard for free



5 Year Warranty Standard

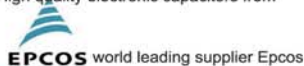


Leading edge capacitor control technology



Dynamic MPPT efficiency >99.9%
(Euro efficiency >97.3%)

High quality electronic capacitors from



Core components, from Fairchild and Infineon, long



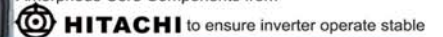
latest DC capacitors, dual dynamic trackers, make your system always work at max power



Industry standard MC4 Connectors



Amorphous Core Components from



Relay from the international brand



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

TECHNOLOGY PARAMETERS

Model No	S3600TL	S4400TL	S5000TL
DC side/Input parameters			
Max. DC power [W]	3680	4400	5000
Max. DC voltage [Vdc]	550	550	550
Min. System start/Shut down voltage [Vdc]	75/100	75/100	75/100
MPPT voltage range[Vdc]	100~550	100~550	100~550
Max. input current [A]	13.5/13.5	13.5/13.5	15/15
Number of MPP trackers	2	2	2
Strings per MPP tracker	1	1	1
AC side/output parameters			
Nominal output power [W]	3300	4000	4600*
Maximum output power [W]	3680	4400	5000**
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
AC connection(with PE)	Single phase	Single phase	Single phase
Current distortion(THDi) [%]	<2.5	<2.5	<2.5
Power factor [%]	> 99.9	> 99.95	> 99.95
Efficiency			
Maximum conversion efficiency[%]	97.5	97.6	97.8
European efficiency[%]	97.1	97.2	97.3
MPPT efficiency[%]	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		
Operating 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 available on demand and customized.