CLEAN ENERGY

Grid Connect Inverters

SGX-3000TL
SGX-4000TL
SGX-5000TL

Efficient

- Maximum efficiency 97.7%
- Euro efficiency 96.9%
- Uses highest quality silicon carbide power transistors
- Optimised thermal design
- Dual MPP Trackers with slope detection technology
- Flat efficiency curves ensure high efficiency across entire input voltage and output power range

Flexible

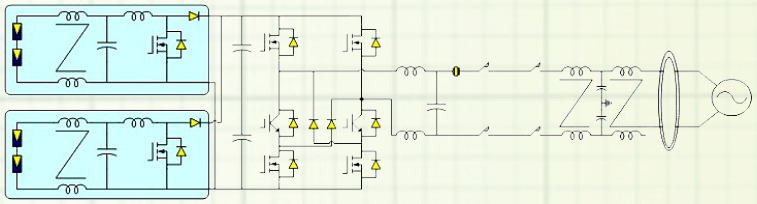
- Wide operating voltage range 120V ~ 560V
- IP65

Reliable

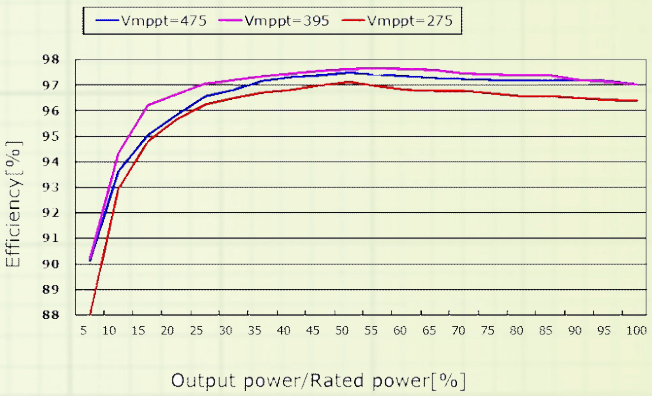
- Utilises tier one components
- Extended production line testing
- 5 years Australian warranty

Model	SGX-3000TL	SGX-4000TL	SGX-5000TL
Input (DC)			
Max. Recommended DC Power (W)	3400	4500	5600
Max. DC Input Voltage (V)	580	580	580
Voltage Range MPP (V)	175 - 480	175 - 480	200 - 480
Voltage Range DC (V)	120 - 560	120 - 560	120 - 560
DC Inputs	2	2	2
MPPT	2	2	2
Max. Input Current (A)	2x11	2x12	2x13
Max. Asymmetrical Input Ratio (W)	2600 / 800	2800 / 1700	3000 / 2600
Output (AC)			
Rated AC Power (W)	3000	4000	5000
Max. AC Power (W)	3300	4400	5500
Max. AC Current (A)	14.5	17.0	22.0
Rated Voltage AC	230V		
Frequency	50Hz		
Power Factor	>0.99		
AC Current Distortion (THD)	< 2%		
Efficiency			
Max. Efficiency	97.7%	97.7%	97.7%
Euro Efficiency (@ 400Vdc)	96.9%	96.9%	96.9%
MPPT Accuracy (static)	99.9%	99.9%	99.9%
General Information			
Operating Temperature Range	-20°C to +60°C	-20°C to +60°C (45°C to 60°C with de-rating)	
Cooling Method	Natural Convection		
IP Protection	IP65		
Dimensions (H x W x D)	660 x 350 x 180		
Weight (kg)	24	24.5	25
Warranty	5 years standard		
Grid Protection Compliance	AS4777		

Topology



Efficiency curve



(02) 6652 9700 ~ 1300 767 761
(03) 5940 3117 ~ 1300 336 737
orders@sicleanenergy.com.au
serviceadmin@sicleanenergy.com.au
www.sicleanenergy.com.au