



SolarRiver 3400 / 4000 / 4500 / 5000 / 5200 / 6000TL-D

SIMPLE. FLEXIBLE.

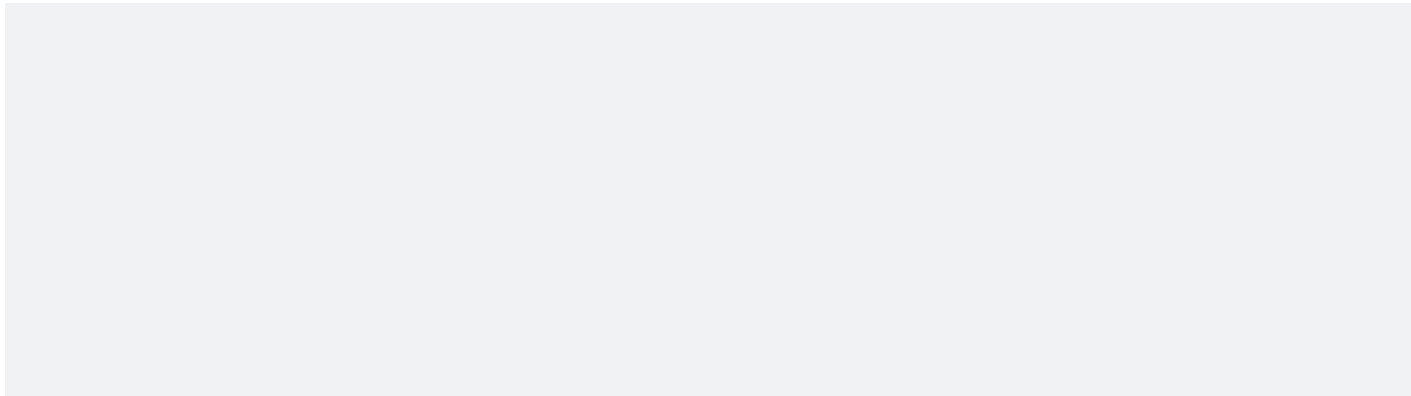
- Simplified system design due to dual MPPT
- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & Play" connection
- Parameter and country code setting during initial start up

OPEN. INTERACTIVE.

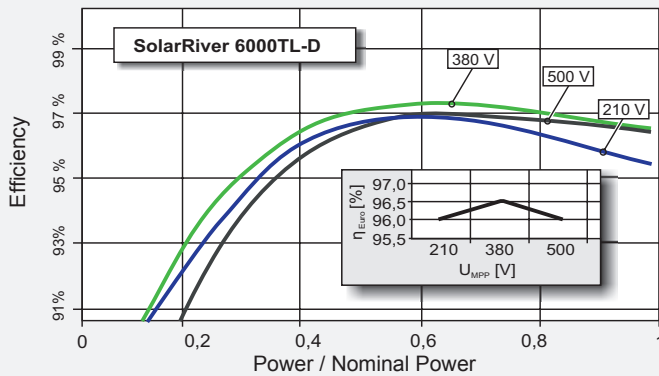
- Interface selection – Ethernet, Wi-Fi and RS485 for more flexible configuration and system monitoring
- Multi-lingual 3.5" TFT LCD display
- Easy key pad operation
- Digital inputs for the economic connection of a ripple control receiver
- Configurable multi-function relay output

SECURE. EFFICIENT.

- Highest earnings through max. efficiency of > 97.6 %
- Safe operation due to integrated DC-switch
- 10 year standard guarantee



	SolarRiver 3400TL-D	SolarRiver 4000TL-D	SolarRiver 4500TL-D
Input (DC)			
Max. DC power (@cosφ=1) total / per MPP input	3400 W / 2200 W	4000 W / 2500 W	4500 W / 2750 W
Max. input voltage	550 V		
MPP voltage range / rated input voltage	165 V - 500 V / 380 V		
Min. input voltage / initial input voltage	100 V / 150 V		
Max. input current input A / input B	10.5 A / 10.5 A	12 A / 12 A	13.5 A / 13.5 A
Max. input current per string input A / input B	10.5 A / 10.5 A	12 A / 12 A	13.5 A / 13.5 A
Number of independent MPP inputs / strings per MPP input	2 / 1		
Output (AC)			
Rated power (@ 230 V / 50 Hz)	3000 W	3680 W	4000 W
Max. apparent AC power	3200 VA	3680 VA	4300 VA
Nominal AC voltage / range	230 V / 180 V - 270 V		
AC frequency / range	50 Hz, 60 Hz / 44 Hz - 55 Hz, 54 Hz - 65 Hz		
Rated grid voltage / rated grid frequency	230 V / 50 Hz		
Max. output current	16 A	16 A	22 A
Power factor at rated power	1		
Displacement power factor, adjustable	0.8 leading - 0.8 lagging		
Feed-in phases / connection phases	1 / 1		
Efficiency			
Max. efficiency / European weighted efficiency	97.4 % / 96.5 %	97.6 % / 97.1 %	97.6 % / 97.1 %
Protective devices			
DC disconnect device / AC disconnect device	○ / - (EU: ● / -)		
Ground fault monitoring / grid monitoring	● / ●		
DC reverse polarity protection / AC short-circuit current capability	● / ●		
Galvanic isolation	-		
All-pole-sensitive residual-current monitoring	●		
Protection class (according to IEC 62103) / Overvoltage category (according to IEC 60664-1)	I / II (DC), III (AC)		
General data			
Dimensions (W / H / D)	380 / 520 / 175 mm		
Weight	26 kg		
Operating temperature range	-20 °C ... +60 °C		
Noise emission (typical)	< 30 dB		
Self-consumption (night)	< 3 W		
Topology	Transformerless		
Cooling concept	Convection		
Degree of protection (according to IEC 60529)	IP65		
Maximum humidity (non-condensing)	95 %		
Features			
DC connection / AC connection	Phoenix Contact SUNCLIX / AC-Plug		
Display	3.5" TFT LCD		
Interface: RS485 / Wi-Fi / Ethernet	○ / ○ / ●		
Multi-function relay / digital input	1 / 4		
Guarantee: 10 / 15 / 20 / 25 years	● / ○ / ○ / ○		
Certificates and approvals (additional on request)	CE, VDE 0126-1-1, RD 1699, G59/2, G83/2, EN 61000-3-2/3, EN 61000-6-1/2/3/4, IEC 62109-1/2, VDE AR-N4105, CEI 0-21, AS 4777.2/3, AS 3100:2009, C10/11, EN 50438, UTE C15-712-1, IEC 62116, IEC 61727		



	SolarRiver 5000TL-D	SolarRiver 5200TL-D	SolarRiver 6000TL-D
Input (DC)			
Max. DC power (@cosφ=1) total / per MPP input	5000 W / 3000 W	5200 W / 3100 W	6000 W / 3500 W
Max. input voltage	550 V		
MPP voltage range / rated input voltage	175 V - 500 V / 380 V	175 V - 500 V / 380 V	210 V - 500 V / 380 V
Min. input voltage / initial input voltage	100 V / 150 V		
Max. input current input A / input B	15 A / 15 A		
Max. input current per string input A / input B	15 A / 15 A		
Number of independent MPP inputs / strings per MPP input	2 / 1		
Output (AC)			
Rated power (@ 230 V / 50 Hz)	4600 W	4600 W / 5000 W*	5750 W
Max. apparent AC power	4600 VA	5000 VA	5750 VA
Nominal AC voltage / range	230 V / 180 V - 270 V		
AC frequency / range	50 Hz, 60 Hz / 44 Hz - 55 Hz, 54 Hz - 65 Hz		
Rated grid voltage / rated grid frequency	230 V / 50 Hz		
Max. output current	23 A	24 A	25 A
Power factor at rated power	1		
Displacement power factor, adjustable	0.8 leading - 0.8 lagging		
Feed-in phases / connection phases	1 / 1		
Efficiency			
Max. Efficiency / European weighted efficiency	97.6 % / 97.1 %	97.6 % / 97.1 %	97.4 % / 96.8 %
Protective devices			
DC disconnect device / AC disconnect device	○ / - (EU: ● / -)		
Ground fault monitoring / grid monitoring	● / ●		
DC reverse polarity protection / AC short-circuit current capability	● / ●		
Galvanic isolation	-		
All-pole-sensitive residual-current monitoring	●		
Protection class (according to IEC 62103) / Overvoltage category (according to IEC 60664-1)	I / II (DC), III (AC)		
General data			
Dimensions (W / H / D)	380 / 520 / 175 mm		
Weight	26 kg		
Operating temperature range	-20 °C ... +60 °C		
Noise emission (typical)	< 30 dB		
Self-consumption (night)	< 3 W		
Topology	Transformerless		
Cooling concept	Convection		
Degree of protection (according to IEC 60529)	IP65		
Maximum humidity (non-condensing)	95 %		
Features			
DC connection / AC connection	Phoenix Contact SUNCLIX / AC-Plug		
Display	3.5" TFT LCD		
Interface: RS485 / Wi-Fi / Ethernet	○ / ○ / ●		
Multi-function relay / digital input	1 / 4		
Guarantee: 10 / 15 / 20 / 25 years	● / ○ / ○ / ○		
Certificates and approvals (additional on request)	CE, VDE 0126-1-1, RD 1699, G59/2, G83/2, EN 61000-3-2/3, EN 61000-6-1/2/3/4, IEC 62109-1/2, VDE AR-N4105, CEI 0-21, AS 4777.2/3, AS 3100:2009, C10/11, EN 50438, UTE C15-712-1, IEC 62116, IEC 61727		



Samil Power Co., Ltd. (China)

Sales and Service Center, Wuxi
No.52, Huigu Innovation Park, Huishan District, Wuxi,
Jiangsu Province, 214174 P.R.C
T: +86 (0) 510 8359 3132
F: +86 (0) 510 8181 9678
E: info@samilpower.com

Samil Power Co., Ltd. (China)

Office, Shenzhen
7/F, Smart Power Grid Industry Park.
No.1124, Nanshan Avenue.
Nanshan district. Shenzhen, P.R.C
T: +86 (0) 755 2781 2568
F: +86 (0) 755 2781 3866

Samil Power Co., Ltd. (China)

Office, Beijing
Room 706, Building 6, Wanda plaza,
No.93 Jianguo Road,
Chaoyang District, Beijing, 100020 P.R.C
T: +86 (0) 10 5820 4482
F: +86 (0) 10 5820 3961

Samil Power Co., Ltd. (China)

Factory, Suqian
No.6 Xuefengshan Road,
Suyu District, Suqian,
Jiangsu Province, 214174 P.R.C

Samil Power US Ltd. (USA)

3478 Buskirk Avenue, Suite 1000,
Pleasant Hill, CA 94523
T: +1 (925) 930 3924
E: usa@samilpower.com

Support Center Australia

T: 02-85203242 or 1300 134793
E: service-australia@samilpower.com

Support Center Deutschland

T: 089-12140704
E: service-germany@samilpower.com

Centro Assistenza Italia

T: 02-60063040
E: service-italy@samilpower.com

Samil Power Ausco Pty Ltd. (Australia)

Sydney Business and Technology Centre
Unit 5/2 Railway Parade
Lidcombe NSW 2141
T: +61 (0) 2 9643 7788
E: australia@samilpower.com

Samil Power GmbH (Deutschland)

Siemensstrasse 1 + 1a
85716 Unterschleissheim-Lohhof
T: +49 (0) 89 8563341 10
F: +49 (0) 89 8563341 29
E: germany@samilpower.com

Samil Power s.r.l. (Italia)

Sede Legale: Corso di Porta Vittoria 18
20122 Milano
T: +39 02 45 077 584
F: +39 02 40 043 490
E: italy@samilpower.com

Samil Power UK Ltd. (UK)

Unit 19 Horseshoe Park Horseshoe Lane
Pangbourne Reading RG8 7JW
T: +44 (0) 118 984 4481
F: +44 (0) 118 984 4745
E: uk@samilpower.com

Samil Power France SARL (France)

10 Boulevard Marius
Vivier Merle
69003 Lyon
E: france@samilpower.com

Support Center Nederland

T: 020-7018205
E: service-netherlands@samilpower.com

Support Center UK

T: 0118-4029490
E: service-uk@samilpower.com

Support Center USA

T: 001-4154290135
E: service-usa@samilpower.com

