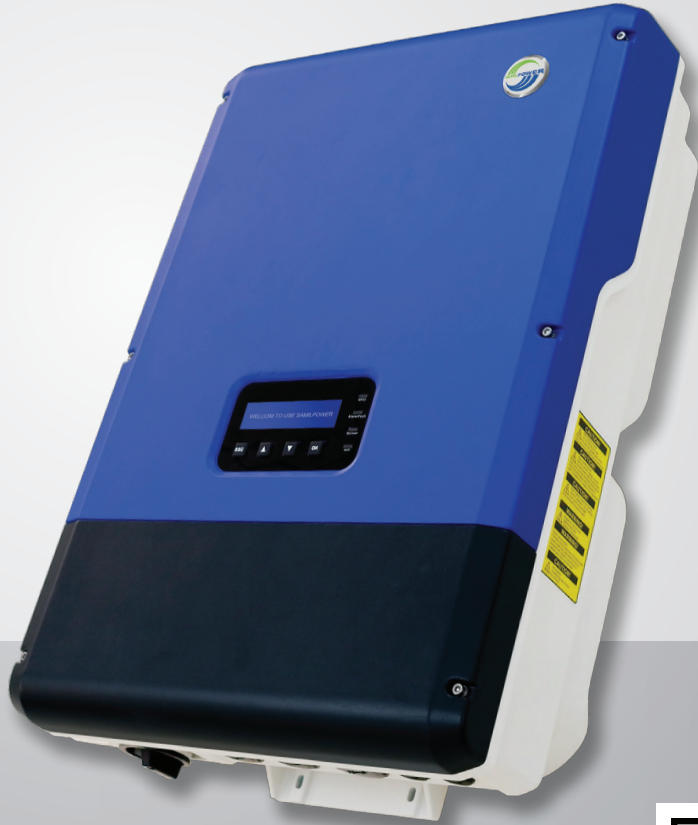




DC Switch Integrated ▶



PV Grid-tied Inverter (Single phase)

SolarRiver 7000TL-US/8000TL-US/9000TL-US/10000TL-US

LEADING-EDGE TECHNOLOGY

- Dual MPPT inputs accommodating wide voltage range
- Transformerless topology - minimizing noise and weight
- Communication port (RS485, ethernet, Wi-Fi)
- Max. efficiency 97.8%

FLEXIBILITY

- Suitable for indoor and outdoor (NEMA 3R)
- Flexible MPPT mode for different installations
- User-friendly and easy-setting multi-lingual LCD display screen
- Easy configuration for local grid standards
- Anti-theft protection

BUILT TO LAST

- Comprehensive protection (DC switch integrated, ground fault detection, DC wrong polarity protection, AC short-circuit protection, anti-islanding protection)
- High-quality aluminum die-casting frame
- 10 years product warranty

CERTIFICATES

- UL1741, IEEE 1547, FCC Part 15 (Class A&B), CSA C22.2 No.107.1-2001

Datasheet of SolarRiver-US Series

Inverter model	SolarRiver 7000TL-US	SolarRiver 8000TL-US	SolarRiver 9000TL-US	SolarRiver 10000TL-US
Input (DC)				
Max. DC power [W]	7900	9000	10100	11300
Max. DC voltage [V]	600			
DC nominal voltage [V]	400			
Max. input current [A]	18+18	19+19	19+19	20+20
Numbers of MPPT/ Strings per MPPT	2/(2+3)			
MPPT voltage range [V]	250-500	250-500	300-500	300-500
Min. operating voltage/ Initial operating voltage [V]	150/200			
Output (AC)				
Max. continuous AC power [W]	7000	8000	9000	10000
Max. AC power [W]	7700	8800	9900	11000
Max. AC current [A]	34/208V; 29/240V; 26/277V	39/208V; 33/240V; 29/277V	43/208V; 38/240V; 33/277V	48/208V; 42/240V; 37/277V
Nominal AC voltage [V]	208; 240 (standard); 277			
AC Max. voltage range [V]	183-229; 211-264 (standard); 244-305			
AC nominal frequency/ Max. frequency range [Hz]	60/59.3-60.5			
Power factor (cos ϕ)	>0.99			
THDi (at nominal power)	<3%			
Efficiency				
Max. efficiency	98.0%			
CEC efficiency	97.5%			
MPPT efficiency	>99.5%			
General Data				
Dimensions (W×H×D) [mm/in]	470×700×230/18.5×27.6×9.1			
Weight [kg/lb]	42.5/93.7	42.5/93.7	43.5/95.9	43.5/95.9
Operating temperature range [°C/°F]	-25-+60/-13-+140			
Ingress protection (IP)	NEMA 3R (IP65)			
Topology	transformerless			
Night consumption [W]	<1			
Cooling	Fan			
Noise [dB]	<50			
LCD display	2 row Character LCD (no operation at night)			
Communication	Ethernet (standard)/RS485 (standard)/Wi-Fi (optional)			
Altitude	2000m/6562ft			
Rel. humidity	0-95%			
DC Switch	Integrated			
Warranty (10/15/20 years)	standard/optional/optional			
Certificates	UL1741, IEEE 1547, FCC Part 15 (Class A&B), CSA C22.2 No.1071-2001			

