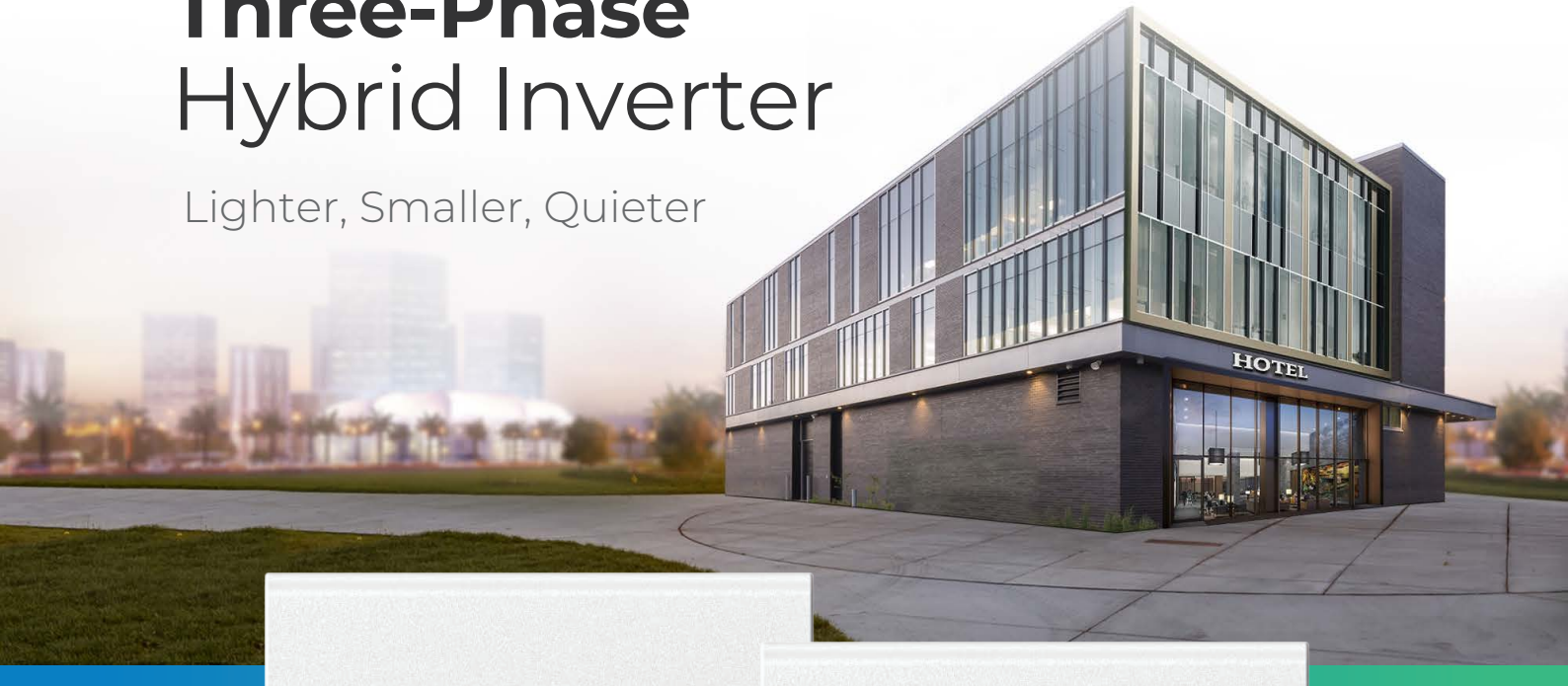




Three-Phase Hybrid Inverter

Lighter, Smaller, Quieter



- 200%

DC Oversizing
- 200%

Overload Capacity
- Up to 6 Units

Parallel Working
- 30_A

Max. PV Input Current
- Compatible with AC Coupling
- 98.3%

Max. Efficiency
- <10_{ms}

Seamless Switch
- 150%

hree-Phase Imbalance Output
- Support Half Wave Load

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Hybrid Inverter Specification

Model	SUN8000T-E/I	SUN10000T-E/I	SUN12000T-E/I	SUN15000T-E/I
Input - DC (PV)				
Max. Power (Wp)	20000	20000	30000	30000
Max. DC Voltage (V)		1000		
MPPT Voltage Range (V)		160~950		
MPPT Voltage Range (V, full load)	200~850	240~850	240~850	280~850
Start Voltage (V)		180		
Max. Input Current (A)	30 / 20	30 / 20	30 / 30	30 / 30
Max. Short Current (A)	40 / 30	40 / 30	40 / 40	40 / 40
Number of MPPT		2		
Number of String per MPPT	2-1	2-1	2-2	2-2
Input - DC (Battery)				
Compatible Battery	RBmax MH Battery System			
Voltage Range (V)		550-950		
Max. Charge / Discharge Power (W)	11000 / 8800	11000 / 11000	15000 / 13200	15000 / 15000
Max. Charge / Discharge Current (A)	20 / 16	20 / 20	27 / 24	27 / 27
AC (On grid)				
Rated Output Power (W)	8000	10000	12000	15000
Rated Output Apparent Power (VA)	8000	10000	12000	15000
Max. Output Power (W)	8800	11000	13200	15000
Max. Output Apparent Power (VA)	8800	11000	13200	15000
Rated Output Current (A)	3*11.6	3*14.5	3*17.4	3*21.8
Max. Output Current (A)	3*12.8	3*16	3*19.2	3*21.8
Rated Input Apparent Power (VA)		22500		
Max. Input Current (A)		3*32		
Rated Grid Voltage (V)		220/380, 230/400, 3W+N+PE*		
Rated Grid Frequency (Hz)		50 / 60*		
Max. Output Current (A)	3*12.8	3*16	3*19.2	3*21.8
THDI(Rated power)		<3%		
Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)		
AC (Back Up)				
Rated Output Power (W)	8800	11000	13200	15000
Rated Output Apparent Power (VA)	8800	11000	13200	15000
Rated Output Current (A)	3*12.8	3*16	3*19.2	3*21.8
Rated Bypass Power (VA)		22500		
Rated Bypass Current (A)		3*32		
Rated Output Voltage (V)		220/380, 230/400, 3W+N+PE*		
Rated Frequency (Hz)		50 / 60*		
THDV (@linear load)		< 2%		
Overload Capacity		120% for 10 min, 200% for 10 S		
THDV		<2% (R load), <5% (RCD load)		
Scalability		Max. 6 in parallel		
Efficiency				
Max.Efficiency	98.0%	98.0%	98.3%	98.3%
Euro.Efficiency	97.3%	97.3%	97.6%	97.6%
Max. Charge Efficiency (PV to Bus)		99%		
Max. Charge / Discharge Efficiency (Grid to Bus)		98%		
Protection				
GFCI / Anti-islanding Protection / DC Reverse-polarity Protection / AC Over/Under Voltage Protection / AC Over Current Protection / AC Short Circuit Protection / Insulation Resistor Detection				
Inverter Protective Class	Class I	Inverter Method of Active Anti-Islanding	Reactive power perturbation method	
DC/AC Surge protection Device	Type II / Type III	AFCI / RSD	Optional	
General Data				
Switch Time	<10ms	Topology	Transformerless	
Generator Interface	Optional	Noise (dB)	<29	
PV Switch	Integated	Night Self Consumption (W)	<10	
PV Connection	MC4/H4	Cooling	Natural Convection	
AC Connection	Connector	Display	LED + APP (Bluetooth)	
Operating Temperature Range	-25~60°C, >45°C derating	Protection Degree	IP65	
Relative Humidity	0~95%	Dimensions (WxDxH)	650 x 265 x 390mm	
Altitude	4000 m	Net Weight	28 kg	
Communication Interface	RS485 / CAN / USB / (Wi-Fi / GPRS / 4G / Ethernet optional)			
Standard Compliance				
Grid Connection standards	VDE-AR-N 4105, EN 50549, AS4777.2	Safety/EMC/RED Standards	EN IEC62109-1/-2, EN 61000-6-1/-2/-3/-4, EN301489, EN300328, EN 62479, EN50663, EN62920, RCM	

*Remark: For application of Australian standard, the nominal voltage is 230/400Vac, nominal frequency is 50 Hz.
Huizhou Roypow Technology Co., Ltd Made in China