

HYBRID INVERTER >>>

RE-T series Single-phase



Product introduction

RE-T series is a new all-in-one solar charge inverter, which integrates solar energy storage & utility charging energy storage and AC sine wave output. Thanks to DSP control and advanced control algorithm, it has high response speed, high reliability and high industrial standard. Four charging modes are optional, i.e. Only Solar, Mains Priority, Solar Priority and Mains & Solar hybrid charging; and two output modes are available, i.e. inverter and Mains, to meet different application requirements.

Performance characteristics

Three output modes

When the grid-connected function is enabled, grid-connected power generation or anti-reverse-current can be set, and it can also be set to off-grid output mode.

Four charging modes

Mains priority charging, solar priority charging, mains solar hybrid charging and solar only charging.

Emergency function

Support battery-free output and only PV start and load, with battery activation function.

The host computer and the APP cloud communication

The host computer and the APP cloud can display the operating data and status of the system in real time and control and modify the parameters.

Parallel function

It can be flexibly combined to achieve up to 9 parallel machines, and the parallel system can output single-phase and three-phase AC voltage.

Protection function

Perfect hardware and software protection function, can display the fault type for easy removal.

Technical parameters

MODEL	RE-T48-3500 VII	RE-T48-5500 VII	RE-T48-10K VII
INVERTER OUTPUT			
Rated output power (W)	3500	5500	10000
Rated output power (VA)	3500	5500	10000
Maximum Peak Power (W)	6000	10000	15000
Load Capacity with Motors (HP)	2	4	6
Rated AC Output	230 VAC (200 / 208 / 220 / 240VAC), 50 / 60Hz		
Output Voltage Waveform	Pure Sine Wave		
Inverter and Bypass Switching Time	10ms (typical)		
Parallel Capacity	9		
Maximum Battery Inverter Efficiency	93%		
Overload Protection	102%~110%, 5min; 110%~125%, 10s; >125%, 2s		
BATTERY			
Battery Type	Lithium / Lead-acid / User Defined		
Rated Battery Voltage (VDC)	48		
Battery Voltage Range (VDC)	40~60		
Max.MPPT Charging Current (A)	60	100	200
Max.Mains Charging Current (A)	60	60	120
Max.Hybrid Charging Current (A)	80	100	200
Charging current error (ADC)	±3		
Charging Short Circuit protection	Blown Fuse		
PV CHARGING			
MPPT Quantity	1	2	
Max. PV array power (W)	4000	5500	5500+5500
Max. PV input current (A)	13	22	22+22
Max. Open Circuit Voltage (VAC)	500	500+500	
MPPT Voltage Range (VDC)	70~450		
MPPT Tracking Efficiency	99.9%		
MAINS INPUT			
Input Voltage Range (VAC)	90~280/170~280		
Frequency Range (Hz)	50/60±0.3		
Output Short Circuit Protection	Circuit breaker		
Bypass Overload Current (A)	30	40	63
SPECIFICATIONS			
Dimensions (D*W*H)mm	130*350*455		130*445*630
Weight (kg)	11	12	27
Classification of waterproof	IP20		
Operating Temperature Range (°C)	-10~55		
Storage Temperature Range (°C)	-25~60		
Noise (dB)	<60		
Heat Dissipation	Forced air cooling (variable speed of fan)		
COMMUNICATION			
Embedded interface	RS485 / CAN / USB / Dry contact		
External module	WIFI/GPRS		
CERTIFICATION			
Safety	CE(IEC62109-1)		
EMC	EN61000		
Note: Above data are subject to change without notice. Special voltage could be customized.			