

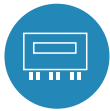


# RSGC-T-48100

## Split phase output inverter



Pure sine wave waveform  
AC output 120V / 240V



Dual MPPT with up to  
99.9% efficiency



Compatible with Gel, AGM, Flooded,  
Sealed lead acid and Lithium battery



Comprehensive protection



Exclusive Li-ion battery BMS  
dual activation

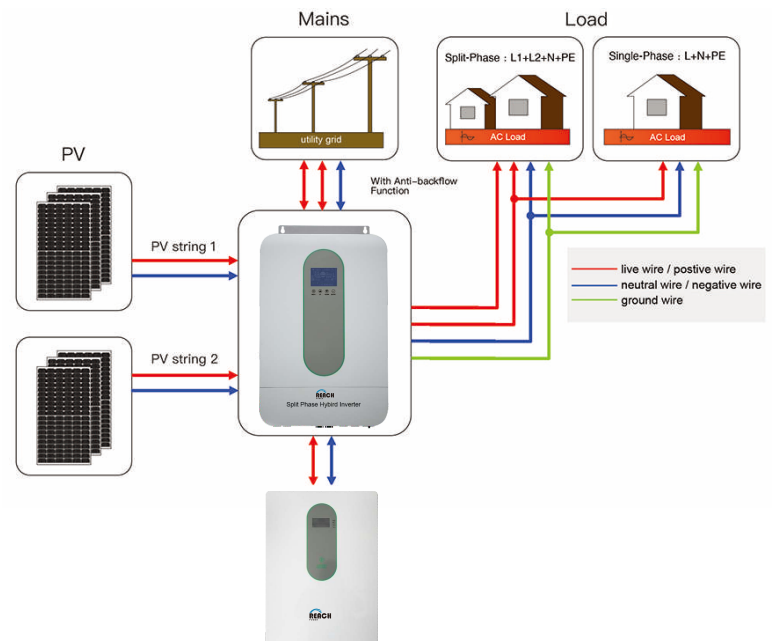


Comfortable installation  
and commissioning

RoHS

FCC

CE



MODEL	RSGC-T-4860	RSGC-T-4880	RSGC-T-48100	CAN BE SET
<b>INVERTER OUTPUT</b>				
Rated Output Power	6,000W	8,000W	10,000W	
Max.Peak Power	12,000W	16,000W	20,000W	
Rated Output Voltage	120/240Vac (L1/L2/N/PE split phase)			Y
Load Capacity of Motors	4HP	5HP	6HP	
Rated AC Frequency	50/60Hz			Y
Waveform	Pure Sine Wave			
Switch Time	10ms (typical)			
Parallel capacity	6			
<b>BATTERY</b>				
Battery Type	Li-ion / Lead-Acid / User Defined			Y
Rated Battery Voltage	48Vdc			
Voltage Range	40-60Vdc			Y
Max.MPPT Charging Current	140A	200A		Y
Max.Mains/Generator Charging Current	80A	100A	120A	Y
Max.Hybrid Charging Current	140A	180A	200A	Y
<b>PV INPUT</b>				
Num. of MPPT Trackers	2			
Max.PV array power	10000W	11,000W		
Max.input current	18/18A	22/22A		
Max.Voltage of Open Circuit	550Vdc	500Vdc		
MPPT Voltage Range	150-450Vdc	125-425Vdc		
<b>MAINS / GENERATOR INPUT</b>				
Input Voltage Range	65-140Vac	90-140Vac		
Frequency Range	50/60Hz			
Bypass Overload Current	40A	63A		
<b>EFFICIENCY</b>				
MPPT Tracking Efficiency	99.9%			
Max. Battery Inverter Efficiency	93%	92%		
<b>GENERAL</b>				
Dimensions	583.4*408.8*133 mm	620*435*130mm		
Weight	18.7 kg(41.22lb)	20kg (44lb)	21kg (46.3lb)	
Protection Degree	IP20, Indoor Only			
Operating Temperature Range	-15~55°C,>45°C derated (5~131°F,>113°F derated)			
Noise	<60dB			
Cooling Method	Internal Fan			
Warranty	2 Years			
<b>COMMUNICATION</b>				
Embedded Interfaces	RS485 / CAN / USB / Dry contact			Y
External Modules (Optional)	Wi-Fi / GPRS			Y
<b>CERTIFICATION</b>				
Safety	IEC62109-1, IEC62109-2,UL1741			
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B			
RoHS	Yes			