

RX-5K | RX-7.6K | RX9.6K | RX-12K

LV SPLIT PHASE HYBRID INVERTER



High output power

Up to 11.4kW output intergrated 200A transfer Relay , support whole home backup power.



IP65

IP65 protection,support indoor and outdoor installlation



Multiple Battery Compatibility

Lithium battery and lead acid battery compatibility



MPPT

Maximum 4 MPPTs



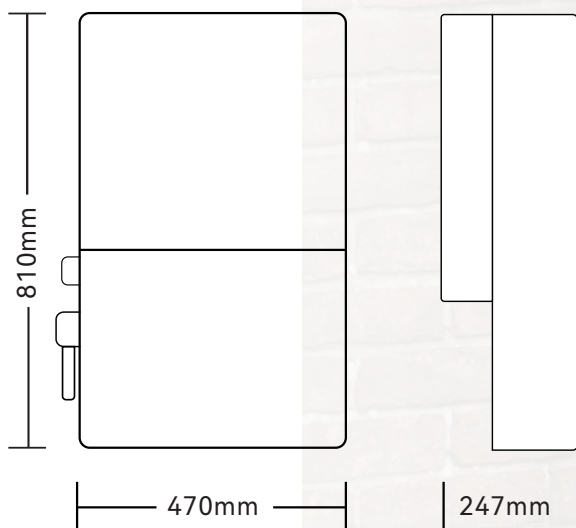
UPS

With UPS function switch time $\leq 20\text{ms}$



Generator-compatible

Compatibility with generator input for backups



Suitable for the US market split phase grid, photovoltaic input supports 1.5DC /AC ratio, battery input 48V flexible battery configuration, Up to 11.4kW output integrated 200A transfer Relay to support whole home backup power.



MODEL	RX-5K	RX-7.6K	RX-9.6K	RX-12K
PV STRING INPUT				
Max PV Array Power [Wp]@STC	7500	11400	14400	17100
Max DC Voltage [V]	600			
MPPT Voltage Range [V]	90~550			
Nominal DC Voltage [V]	380			
Start Voltage/Min Input Voltage [V]	100			
Max Input Current [A]	16/16/16		16/16/16/16	
No. of Strings per MPPT	1/1/1		1/1/1/1	
No. of MPPT	3		4	
BATTERY INPUT				
Battery Type	Lead-acid or LiFePO4			
Voltage Range [V]	40~60			
Max. Charging/ Discharging Current [A]	160		240	
AC OUTPUT [ON-GRID]				
Rated AC Power [W]@208Vac	4330	6580	8320	9880
Rated AC Power [W]@240Vac	5000	7600	9600	11400
Max. Apparnet Power [VA]	5500	3860	10560	12540
Rated AC Current [A]@208Vac	20.8	31.7	40	47.5
Max. AC Current [A]@240Vac	22.9	34.8	44	52.3
Rated AC Voltage/Range	L1/L2/N/PE, 208V/240V; 183V~229V/211V~264V			
Rated Output Frequency [Hz]	60/54~65			
Power Factor [cosφ]	0.8 leading~0.8 lagging			
Total Harmonic Distortion [THDi]	<3%			
AC OUTPUT [BACK-UP MODE]				
Rated Output Power [W]@240Vac	5000	7600	9600	11400
Over Load Capacity [W, 10s]	11400		17100	
Rated Output Voltage [V]	120/240			
Rated Output Frequency [Hz]	60			
Output THDV(@ Liner Load)	<3%			
EFFICIENCY				
Max.efficiency	97.6%			
CEC Efficiency [@600Vdc]	97%			
Bat-AC Max. Efficiency	93%			
PROTECTION				
Over Voltage Protection	Intergrated			
AC Surge Protection	Type II			
DC Surge Protection	Type II			
Over Heat Protection	Intergrated			
Islanding Pretection	Intergrated			
AFP	Intergrated			
RSD	Intergrated			
INTERFACE				
Display	LED+APP (Bluetooth)			
Communication Port	RS232 +RS485(RJ45)+DRM(RJ45)			
Communication	Wi-Fi/4G			
Load Monitor	24 hours			
GENERAL DATA				
Isolation Type	HF			
Standby Power Consumption [W]	<10			
Operating Temperature Range	-40°C~+60°C (>45°C power derating)			
Cooling Method	Smart Fan Cooling			
Ambient Humidity	0%~100% no-condensing			
Altitude	4000m(>3000m power derating)			
Noise [dBA]	<40			
Ingress Protection	NEMA 4x (IP65)			
Mounting	Wall Mounting			
Dimensions [H*W*D][inch]	30.7*18.5*10.2			
Weight [kg]	50 (110 lbs)			
Warranty [years]	10			
Safety/EMC Standard	UL 1741 CRD, IEEE 1547, UL 1699B, UL 1998, UL 9540, CAN/CSA C22.2.107.1-1, FCC, Part 15 Class B, SRD-UL1741			