



# Hybrid Inverter - Three Phase 15K/30K



## Product Features

- 15K is compatible with low-voltage batteries (lead-acid & lithium), 30K is compatible with high-voltage batteries (lead-acid & lithium)
- 15K supports 6 units working in parallel at most
- 30K supports 4 units working in parallel at most
- Dual load outputs can help to reach smart load management
- Support the access of generators
- Built-in wifi module design to make communication more stable
- Remote upgrade and configuration
- IP65 protection to ensure the inverter can work under various environmental conditions

	SRP-15KCT-H1	SRP-30KCT-H1
<b>Battery Input Data</b>		
Battery Type	Li-ion / Lead-acid	Li-ion / Lead-acid
Nominal Battery Voltage (V)	48	600
Battery Voltage Range (V)	40~65	500~850
Max. Charge/Discharge Current (A)	300/300	50/50
Max. Charge/Discharge Power (W)	15000/15000	30000/30000
<b>PV String Input Data</b>		
Max. Array Input Power (W)	16000	40000
Max. DC Input Voltage (V)	1000	1000
Nominal DC Input Voltage (V)	720	720
Start-up Voltage (V)	320	320
MPPT Voltage Range (V)	350~850	350~900
Max. Input Current per MPPT (A)	27/27	26/26/26
Max. Short-circuit Current per MPPT (A)	30/30	30/30/30
No. of MPPT	2	3
No. of Strings per MPPT	2	2
<b>AC Input Data</b>		
Nominal Input Apparent Power (VA)	15000	30000
Max. Input Apparent Power (VA)	16000	40000
Max. Input Current (A)	40	50
<b>AC Output Data (on-grid)</b>		
Nominal Output Active Power (W)	15000	30000
Nominal Output Apparent Power (VA)	15000	30000
Max. Output Apparent Power (VA)	16500	33000
Nominal Output Voltage (V)	380 / 400 / 415, 3L+N+PE	
Output Voltage Range (V)	277~520(Adjustable)	
Nominal Output Frequency (Hz)	50/60	
Output Frequency Range (Hz)	45-65(Adjustable)	
Max. Output Current (A)	21.7	43.5
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
THDi	<3%	<3%
<b>Back-up Output Data</b>		
Nominal Output Apparent Power (VA)	15000	30000
Max. Output Apparent Power (VA)	16500	33000
Nominal Output Voltage (V)	380 / 400 / 415, 3L+N+PE	
Nominal Output Frequency (Hz)	50/60	50/60
Max. Output Current (A)	23.9	47.8
Transfer Time (ms)	10(typ) / 20(max)	10(typ) / 20(max)
THDv @ Linear Load	<3% @100% R Load	
<b>Efficiency</b>		
Max. Efficiency	96.50%	96.50%
Europ Efficiency	95.80%	96.00%
Battery Discharge to AC Efficiency	91.00%	96.00%
<b>Protection</b>		
PV / Battery Reversed Polarity Protection	Yes	
Residual Current Monitor	Yes	
DC Over Voltage / Current Protection	Yes	
DC Switch	Yes	
Anti-islanding Protection	Yes	
DC / AC Surge Protection	Type II, Type II	
Insulation Resistor Detector	Yes	
Output Over Voltage / Current Protection	Yes	
AC Short Circuit Protection	Yes	
Remote Shut Down	Optional	
Generator	Yes	
<b>General</b>		
Operating Temperature Range (°C)	-25~60 (>45°C derating)	
Relative Humidity	0~100%	
Max. Operating Altitude (m)	4000	
Cooling Method	Fan Cooling	
User Interface	APP+LCD	
Communication	RS232, USB, CAN, RS485, WiFi	
Weight (kg)	74	76.3
Dimension (W*H*D mm)	660*750*255	660*750*255
Topology	Transformerless	
Ingress Protection Rating	IP65	
Mounting Method	Wall Bracket	