

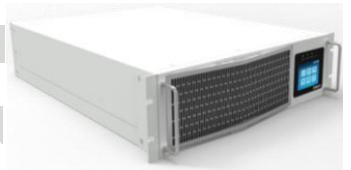
# SV Series (15-120kVA)/400Vac Hybrid/Off-Grid Solar Inverter System

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## Technical Specifications for SV Series Hybrid Solar Inverter(SV2)

Model	SV2-55P-15KR	SV2-55P-25KR	SV2-55P-15KC	SV2-55P-25KC	SV2-28P-30KC
<b>System Output Parameter</b>					
AC Output Capacity (kVA/kW)	15kVA/15kW	25kVA/25kW	15kVA/15kW	25kVA/25kW	30kVA/30kW
Output parameter	380/400/415Vac (3P+N) with 1% precision and 50Hz(default)/60Hz, with 0.5% precision				
Efficiency of Inverter System	95.4%		95.4%		95.6%
ATS kit for AC bypass (Hybrid)	Optional, for Grid/Diesel Generator connection				
Battery BUS Rated Voltage	420Vdc BUS			420Vdc Bus	
Switchgear (PDU) Installed	Not Optional ( or external)		With breakers for PV input, AC input ,Battery and AC output		
Overload Performance	<105%, long term;		<110%, 10 minutes;		<120%, 1 minutes
IP/IRMS	3:1 Ratio , Support instantaneous rush load (3 times)				
THD and Un-balance capacity	THD<3% with 100% load; Support 100% un-balance load between phases				
<b>PV/Solar Input Parameter</b>					
PV Input Voltage, Rated (Vmppt)	250-750Vdc ( Suggest 30-36V* 20 pieces in series connection)				
PV Input Voltage Range (Voc)	200-900Vdc			200-900Vdc	
Max PV Input Voltage (Voc)	900Vdc			900Vdc	
Max PV Input Current / MPPT Chanel QTY	75A/ MPPT X 2	38A/ MPPT X 1	75A/ MPPT X 2	38A/ MPPT X 1	38A/ MPPT X 1
Max PV Panel Connected (Wp)	55kWp	55kWp	55kWp	55kWp	28kWp
<b>Grid/Diesel Generator Input (option)</b>					
Grid/Gen-set AC Input Voltage Rated	Not available		230V/400Vac ( 3P+N+PE), 50Hz(default)/60Hz		
Grid/Gen-set AC Input Voltage Range	Not available		170-265V/292-460Vac ( 3P+N+PE), 45-65Hz		
Efficiency of Grid-ATS (if has ATS option)	Not Optional		ATS of Grid/Diesel Generator is optional; Eff. 99.0%		
<b>Battery Connection Parameter</b>					
Battery BUS Rated Voltage	420Vdc (2V X 210 cells)		420Vdc (2V X 210 cells)		420Vdc (2V*210 cells)
Battery Voltage Adjustment Range (Vbat)	350-490Vdc		350-490Vdc		350-490Vdc
<b>Mechanical Feature</b>					
Dimension W*D*H (mm)	435*135*600mm (3U)		600*800*1000mm (W*D*H)		
Weight (kg)	38.0kg		85g	82kg	148kg
Noise (dB)	<65dB		<65dB		<68dB
<b>Network Monitoring</b>					
HMI and Indicator	7 Inch Touch Screen(LCD) ,and LED Indicator				
Communication Socket and Protocol	RS485, CAN, LAN, REPO and CAN, Modbus, TCP, Modbus RTU				
<b>Application Environment</b>					
IP Level	IP20 (Rack mounting)		IP22		
Power dispatch (Cooling)	Forced Air Cooling (Smart Fan Speed Control)				
Operation Temperature/ Relative Humidity	-25 °C to 55 °C / 0-95% RH, No Condensation (from 45-55 °C, de-rating 15% capacity per 5 °C)				
Storage Temperature / Relative Humidity	-25 °C to 55 °C/0-95% RH ; (Exclude battery)				
Altitude (meters)	2000meters; (for 2000-4000 meters, de-rating 4% per 100 meters)				



SV2—XX-KR



SV2—XX-KC

