

Split-Phase Hybrid Inverter



Model	SE06K-2P-N	SE10K-2PN
Battery Input Data		
Battery Type	Lithium /Lead-acid	
Battery Voltage Range (V)	80 - 495	
Battery Normal Voltage (V)	230	
Max. Charging/Discharging Current (A)	50	
Charging Strategy for Li-ion Battery	Self-adaption to BMS	
Number of Battery Input	1	
PV String Input Data		
Max. DC Input Power (kW)	9.0	15.0
Max. DC Input Voltage (V)	600	
MPPT Voltage Range (V)	80~550	
Max. Operating PV Input Current (A)	15.5 x 2	15.5 x 3
Max. Input Short-Circuit Current (A)	26.0 x 2	26.0 x 3
No. of MPP Trackers / No. of PV String	2 / 2	2 / 2

AC Input/Output Data

Rated AC Input/Output Power (kW)	6.0	9.6
Max. AC Input/Output Power (kW)	6.96	11.16
Rated Output Current (A)	25	40
Max. Output Current (A)	29	46.5
Max. Grid AC to Load Passthrough (A)	43.3	49.5
Peak Power (off-grid)	150%~20ms	
Power Factor Adjustment Range	0.8 leading to 0.8 lagging	
Rated Input/Output Voltage/Range (V)	110~120 (Single Phase), 110~120/220~240 (Split Phase)	
Rated Input/Output Grid Frequency (Hz)	60	
Grid Connection Form	2L + N + PE	
Total Current Harmonic Distortion THDu	<3%	

Efficiency

Max. Efficiency	97.6%
CEC Efficiency	97.0%
PV to Bat. Efficiency	98.1%

Equipment Protection

Integrated	PV Reverse Polarity Protection, Bat. Reverse Polarity Protection, Over Current/Voltage Protection, Anti-Islanding Protection, AC Short Circuit Protection, Residual Current Detection, Ground Fault Monitoring, Insulation Resister Detection, PV Arc Detection, Rapid Shut Down, Protection Degree, AC/DC surge protection (TYPE II)
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General Data

Operating Temperature Range (°C)	-25~+60
Relative humidity	0-95%
Operating Altitude	≤4000m
UPS Switching Time (ms)	< 10
Ingress protection	IP65/NEMA 3R
Cooling Mode	FAN cooling
Display	LCD
Topology	Transformer less
Dimensions W*H*D (mm)	400 x 600 x 229
Weight (kg)	25kg
Standby consumption	< 10W
Communication with BMS/Meter/EMS	RS485, CAN
Supported communication interface	RS485, WLAN, 4G (optional)
Warranty	5 Years/10 Years (Optional extensions)
Grid Regulation	IEEE1547, IEEE1547A, IEEE1547.1, Rule21, HECO Rule 14
Safety	UL 1741 SA, UL 1741, UL1699B, UL 1998, CSA 22.2 No.107
EMC Standard	FCC part 15 class B



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