



RealCurrent
The Power Company

Model	SE 3.6KHB	SE 5KHB
Efficiency		
Max. Efficiency (PV to Grid)	97.6%	
European Efficiency	97.3%	
Max. Efficiency (Battery to Load)	95%	
Input (PV)		
Max. Input Voltage	550V	
Rated Input Voltage	360V	
Max. Input Current	13A	
Max.Short Circuit Current	15A	
Start Input Voltage	90V	
MPPT Operating Voltage Range	70V-540V	
Max. Number of PV Strings	2	
No. of MPPTs	2	
Input (Battery)		
Battery Type	Lithium-ion / Lead-Acid	
Nominal Battery Voltage	48V	
Battery Voltage Range	42-60V	
Max. Charge / Discharge Current	60A	100A
Lithium-ion Battery Charge Curve	Self-adaption to BMS	
Lead-Acid Battery Charge Curve	3 stages	
Output (Grid)		
Rated AC Active Power	5000W	
Max.Ac Active power	5500W	
Rated AC Voltage	230V	
AC Voltage Range ^{①①}	180V-275V (Adjustable)	
Rated Grid Frequency	50Hz / 60Hz	
Grid Frequency Range ^{②②}	55Hz-65Hz (Adjustable)	
Max. AC Current Output to Utility Grid (A)	23.8A	
THDI	<3% (Rated Power)	
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)	
Output (EPS)		
Nominal Output Power	3600VA	5000VA
Nominal Output Voltage	230V	
Nominal Output Frequency	50Hz / 60Hz	
THDV	<3% @100% R Load	
Switching Time (Optional)	10ms	
Protection		
DC switch	Support	
Anti-islanding protection	Support	
AC overcurrent protection	Support	
AC short circuit protection	Support	
DC reverse connection	Support	
Surge Arrester	AC Type III, DC Type III (optional)	
Insulation detection	Support	
Leakage current protection	Support	
Anti-islanding protection	Support	
General		
Topology	High Frequency Isolation	
IP Rating	IP65	
Cooling	Natural cooling	
Operating Temperature Range	-25°C-60°C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Noise (Typical)	<30dB	
Dimensions (W*H*D)	515*500*175mm	
Weight	28Kg	
HMI & COM		
Display	LED & APP	
Communication	RS485, CAN, WIFI / GPRS / 4G (optional)	
Certification		
Safety	IEC62109-1&2, IEC62040-1	
Grid Code	AS / NZS 4777.2:2015, IEC 61727 / 62116, VDE4105-AR-N, EN 50549	
Warranty	5 Years / 10 Years (Optional)	

Remarks: • ①② The range of output voltage and frequency may vary depending up on different grid codes
• Specifications are subject to change without advance notice



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SINGLE PHASE HYBRID INVERTER SE 5KHB



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