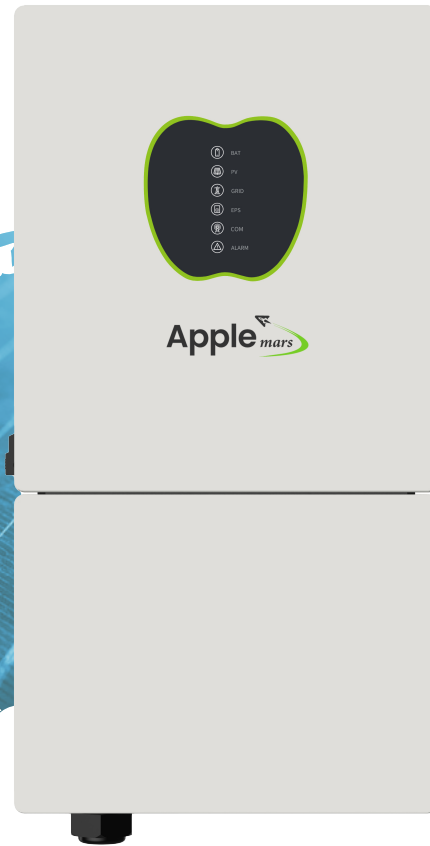


# APPLE SINGLE PHASE HYBRID INVERTER

## SE 8/10KHB-T/EU



Energy Storage Inverter

Dimensions (W\*H\*D)

### FEATURES

- » Max efficiency 98.0%, CEC efficiency 95%
- » Max. PV Power 15KW
- » String current 30A, compatible with high power modules
- » Advanced parallel, up to 9Pcs
- » Configure BMS management system to ensure high battery life
- » Compatible with lead-acid batteries and lithium battery energy storage systems
- » Remote configuration and upgrade

Model	SE 8KHB-180-T/EU	SE 10KHB-210-T/EU
<b>Efficiency</b>		
Max. Efficiency (PV To AC)	98.0%	
Max. Efficiency (Bat To AC)	95.0%	
<b>Input(PV)</b>		
Max. PV Power	12000W	15000W
Max. Input Voltage	600V	
Max. Input Current (PV-A/PV-B)	30A/22A/22A	
Max short current (input A/input B) (A)	40A/30A/30A	
Start operating voltage (V)	90V	
MPPT Operating Voltage Range	70V-540V	
No.of MPPT trackers	3	
String per MPP tracker	2	
<b>Input(Bat)</b>		
Compatible battery type	Lithium-ion/Lead-acid	
Nominal battery voltage	48V	
Battery voltage range	40V-64V	
Max. charge/discharge current	210A/180A	210A/210A
Max. charge/discharge power	10000W/8000W	10000W/10000W
Lithium battery charge curve	Self-adaption to BMS	
<b>Input (Grid)</b>		
Nominal AC input power	12000W	15000W
Max. AC input current	52.5A	65.3A
Rated AC voltage	230V (Single phase)	
<b>Output (Grid)</b>		
Nominal AC output power	8000W	10000W
Max. AC output apparent power	8800VA	11000VA
Max.AC output power (PF=1)	8800W	11000W
Max. AC output current	40A	50A
Rated AC voltage	230V, L+N+PE	
Rated grid frequency	50Hz / 60Hz	
Grid connection	Single phase	
Power factor	> 0.99 @rated power (adjustable 0.8 LD - 0.8 LG)	
THDI	<3% (Rated Power)	
<b>Output (BackUp)</b>		
Nominal output power	8000W	10000W
Nominal output voltage	230V, L+N+PE	
Nominal output frequency	50/60Hz	
Nominal output current	34.8A	43.5A
Maximum power(Is)	16000VA	20000VA
Nominal output voltage	230V, L+N+PE	
Nominal output frequency	50Hz / 60Hz	
Transfer time	10ms (typ) / 20ms (max)	
THDV	<3% @100% R Load	
<b>Protection</b>		
Protection category	Class I	
DC switch	Support	
Anti-islanding protection	Support	
AC overcurrent protection	Support	
AC short circuit protection	Support	
DC reverse connection	Support	
Surge Arrester	DC Type II, AC Type II	
Insulation detection	Support	
Leakage current protection	Support	
Gen	Support	
PV overvoltage category	II	
AFCI	Optional	
RSD	Optional	
<b>General</b>		
Max. operation altitude	4000m	
Noise emission	<45dB	
Ingress protection degree	IP65	
Operating temperature range	-25-60 (>45 derating)	
Relative humidity	0-100%	
Cooling concept	Fan Cooling	
Mounting	Wall bracket	
	420mm*800mm*240mm	
Weight (kg)	37Kg	
PV connection	Terminals	
BAT connection	DC special connector	
<b>HMI &amp; COM</b>		
Display	LED+APP	
Communication interface	RS485/CAN (for BMS), DRM/RS485 (for Meter), RS485, USB, Optional: WiFi/GPRS/LAN	
<b>Certification</b>		
Grid	NRS 0-97 / IEC61727 / IEC62116	
Safety	IEC62109	
EMC	EN 61000	
Warranty	5 Years /10 Years (Optional)	

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