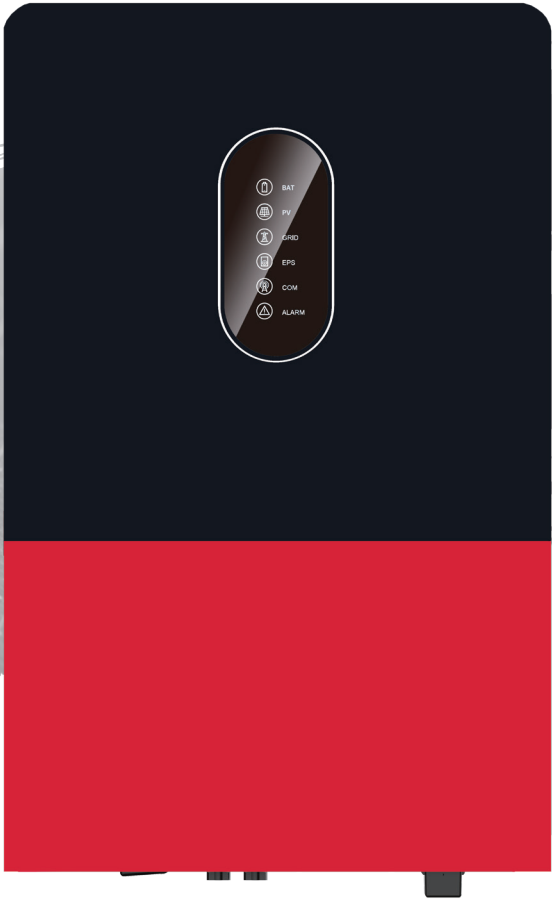


SINGLE PHASE HYBRID INVERTER
PV 6/8/9.6KHB-220/UL



FEATURES

- »» Max efficiency 98.0% ,CEC efficiency 97.5%
- »» Max. PV Power 15000W
- »» String current 22A, compatible with high power modules
- »» Compatible with lead-acid batteries and lithium battery energy storage systems
- »» Spilt phase out available for 100% back up power
- »» Advanced parallel, up to 9Pcs
- »» Remote configuration and upgrade

Model	PV 6KHB-130/UL		PV 8KHB-180/UL	PV 9K6HB-200/UL
Efficiency				
Max.efficiency (PV to AC)			98.0%	
Max.efficiency (BAT to AC)			95.5%	
Input (PV)				
MAX PVPower (W)	9000		12000	15000
Max PV voltage (V)			600	
Max input current (input A/input B) (A)	22/22		22/22/22	
Max short current (input A/input B) (A)	30/30		30/30/30	
Start operating voltage (V)			90	
MPPT voltage range @full load (V)			200-520	
No.of MPPT trackers	2		3	3
String per MPP tracker			2	
Input (BAT)				
Compatible battery type			Lithium-ion/Lead-acid	
Nominal battery voltage (V)			48	
Battery voltage range (V)			40-60	
Max. charge/discharge current (A)	130/130		180/180	200/200
Max. charge/discharge power (W)	6000/6000		8000/8000	9600/9600
Lithium battery charge curve			Self-adaption to BMS	
Output (Grid)				
Nominal AC output power (W)	6000		8000	9600
Max. AC output apparent power (VA)	6600		8800	9600
Max.AC output power (PF=1) (W)	6600		8800	9600
Max. AC output current (A)	27.5		36.6	40
Rated AC voltage (V)	120/240V (Split phase) / 230V (Single phase) / 208V (2/3 phase)			
AC voltage range (V)	150-300 (adjustable for 240V system)			
Rated gird frequency (Hz)	60			
AC frequency range (Hz)	55-65 (adjustable)			
Power factor	> 0.99 @rated power (adjustable 0.8 LG - 0.8 LD)			
THDI	<3%			
Output (Back up)				
Nominal output voltage (V)	120/240V (Split phase) / 230V (Single phase) / 208V (2/3 phase)			
Nominal output frequency (Hz)	60			
Nominal output power (W)	6000		8000	9600
Nominal output current (A)	27.2		27.2	40
Transfer time (ms)	10 (typ) / 20 (max)			
THDV	<3% @100% R Load			
Protection				
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			
PV overvoltage category	II			
AC overvoltage category	III			
AFCI	Y			
RSD	Y (MLRSD Sunspec or Tigo Transmitter)			
General				
Max. operation altitude (m)	4000			
Noise emission (dB)	<40			
Ingress protection degree	IP65			
Operating temperature range (°C)	-25~60			
Relative humidity (%)	0~100			
Cooling concept	Fan Cooling			
Mounting	Wall bracket			
Dimensions (W*H*D)	420*600*175mm			
Weight (kg)	25		30	
HMI & COM				
Display	LED+APP			
Communication interface	RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Optional: WiFi/GPRS/Ethernet			
Certification				
Grid	IEEE 1547			
Safety	UL 1741/CSA C22.2/UL 1699B			
EMC	FCC Part 15 ClassB			
Warranty (years)	5/10 (optional)			

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