

# Single Phase Off-grid Inverter

# MAXHUB



## 6.5K-1P-ELV



Built-in 120A  
Solar Charger



Wide MPPT  
Range 60-520V



28A  
MAX PV Input

DUAL  
IN OUT

Dual AC In  
& Dual AC Out\*

BMS

Support Lithium/  
Lead-acid Battery



Lithium Battery  
Activation



Noise Control  
Algorithm



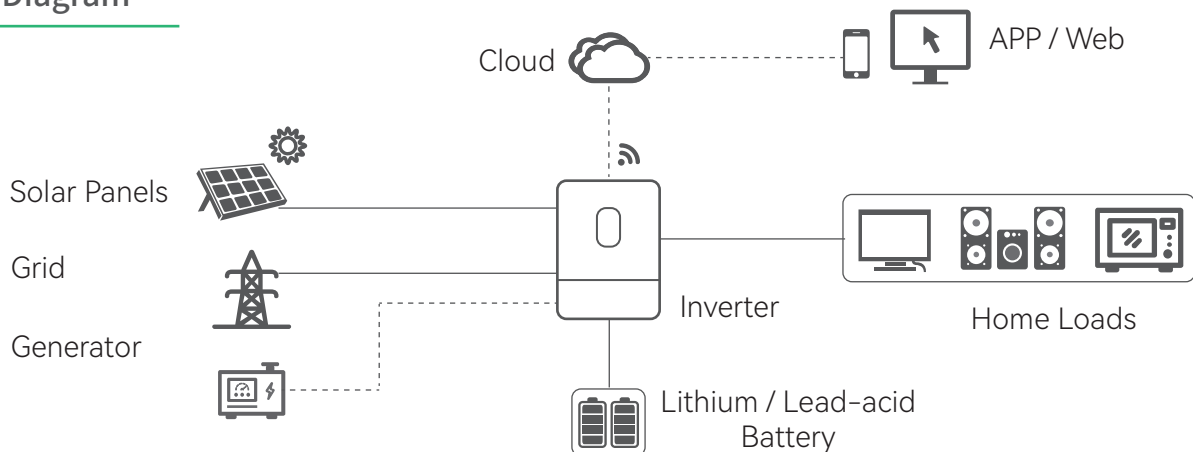
WiFi  
Monitoring



Feed-in  
to Grid

## System Diagram

\*Extra interface can be selected as in or out. It cannot support at the same time.



### SU•PER•POW

# Specifications

Model	6.5K-1P-ELV
<b>AC Input</b>	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
<b>AC Output</b>	
Rated Capacity (kW)	6.5
Surge Power (kVA)	13
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	10min@102%~120%Load, 1min@120%~150%Load 10S@150%~200%Load, 5s@>200%Load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Quantity	NA
<b>Charger (PV / AC)</b>	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	28A / 9000W
MPPT Range@Operating Voltage (VDC)	60~450
Max PV Open Circuit Voltage (VDC)	520
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
<b>Battery</b>	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
<b>Interface</b>	
HMI	LCD
Interface	RS485 / USB / Dry Contact / CT / Meter /
Monitoring	WiFi (Optional)
<b>General Data</b>	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 50 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	10
Dimensions (W*H*D)	508*338*136.5mm
Max. Operating Altitude	4000m (Derating above 1000m)