

## POWERING THE FUTURE WITH YARMAX



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Ver: 202409



## PRODUCT CATALOG

### New Energy Application

- HYBRID INVERTER
- OFF GRID INVERTER
- PORTABLE POWER STATION
- BATTERY PACK
- BALCONY STORAGE

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# Products Portfolio



Off-grid Inverter



Hybrid Inverter



LiFePO<sub>4</sub> Battery



HV LiFePO<sub>4</sub> Stacked Battery



LiFePO<sub>4</sub> Battery



Balcony Storage





Portable Power Station

# OFF GRID INVERTER

## YME0 Series EU Single Phase

**1K8L1-M/3K6L1-M**

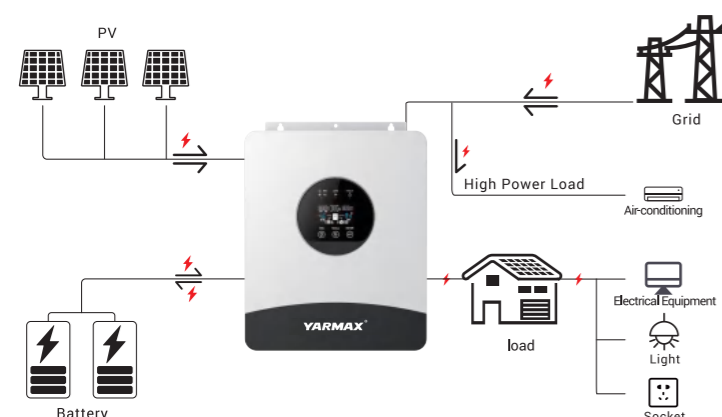
-   
1.8-3.6KVA
-   
100/145V
-   
230V
-   
12/24V
-   
IP21



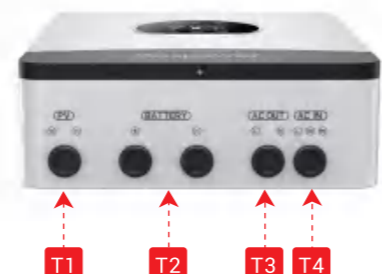
**IP21 Design**  
**Pure Sine Wave**  
**Support LFP & SLA Battery**  
**2 Years Warranty**

**CE** EN 62109-1 EN 62109-2 IEC 61000

### HOUSE ENERGY SYSTEM (OFF GRID)



### CONNECTOR



T1: PV            T3: AC GRID  
 T2: BAT+/BAT-    T4: AC LOAD

	YME0-1K8L1-M	YME0-3K6L1-M	
PV (DC Input)	Recommended max. PV input power	650W	1500W
	Max. input voltage(Voc)	130V	145V
	MPPT operating voltage range	15V-120V (@+6V start up)	30V-120V (@30V start up)
	Number of MPPT	1	1
	Max. number of input strings per MPPT	1	1
	Max. input current per MPPT	20A	25A
	Max. short-circuit current per MPPT	25A	27A
Grid (AC Input)	Max input power	2300W	4000W
	Max input current	10A	17.4A
	Rated grid voltage	220/230/240Vac(L,N,PE)	220/230/240Vac(L,N,PE)
	Rated grid frequency	50/60Hz	50/60Hz
	Acceptable range	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)
Battery parameters (Bidirection)	Battery type	LiFePO4/Lead-acid	LiFePO4/Lead-acid
	Battery voltage range	10V~14.5V	20-30V
	Rate Battery Voltage	12Vdc	24Vdc
	Max. charge/discharge current	100A/150A	120A/180A
Back-up Output (AC Output)	Rated output power	1500W/1500VA	3000W/3000VA
	Rated output current	7.8A	15.6A
	Rated output voltage	220/230/240Vac(L,N,PE)	220/230/240Vac(L,N,PE)
	Frequency	50/60Hz	50/60Hz
	Surge power	3600VA 2s	7200VA 2s
	THDv (@ linear load)	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)	
Efficiency	Peak efficiency	95%	95%
	Max. MPPT efficiency	93%	92%
Protection	Inner protection	√ Output short-circuit protection    √ Output overvoltage protection	
	Surge protection	PV: Type III, AC: Type III	
	IP rating	IP21	
General Parameters	Operating temperature range	-10°C ~ 50°C	
	Relative humidity range	5%~95%	5%~95%
	Max. operating altitude	>2000m derating	>2000m derating
	Standby self-consumption	<10W	<10W
	Installation type	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling
	Communication	RS232	RS232/RS485
Mechanical Specifications	Display	LCD	
	Inverter dimensions (L*W*H) (mm)	350*290*105	350*290*105
	Net weight (kg)	5.55	6
	Carton dimensions (L*W*H) (mm)	495*385*165	495*385*165
	Gross weight (kg)	6.5	7
Warranty Period	2 Years		

# OFF GRID INVERTER

## YME0 Series EU Single Phase

4KL1/6KL1/12KL1

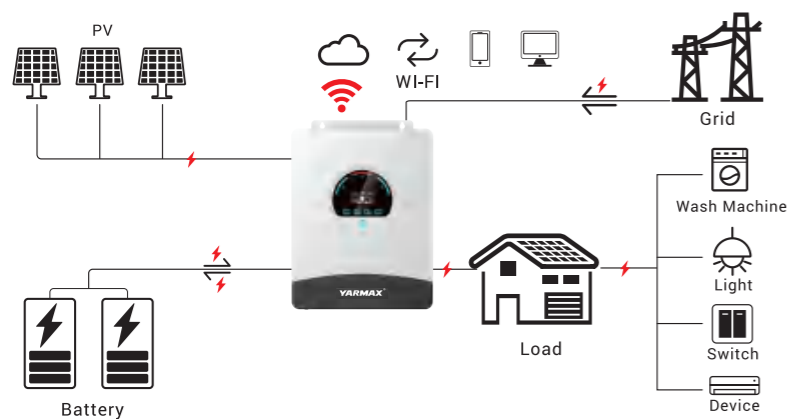
-   
4-12Kw
-   
500V
-   
230V
-   
48V
-   
IP54



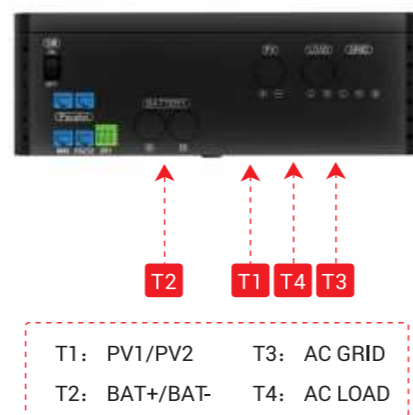
**IP54 Design**  
**Pure Sine Wave**  
**Wide MPPT Operating Range**  
**Built-In BMS Communication**  
**Max. 12 Units Parallel**  
**3 Years Warranty**

**CE** EN 62109-1 EN 62109-2 IEC 61000

### HOUSE ENERGY SYSTEM (OFF GRID)



### CONNECTOR



		YME0-4KL1	YME0-6KL1	YME0-12KL1
PV (DC Input)	Recommended max. PV input power	4000W	6000W	12000W
	Max. input voltage(Voc)	500V	500V	500V
	MPPT operating voltage range	85V-450V (@85V start up)	85V-450V (@75V start up)	85V-450V (@75V start up)
	Number of MPPT	1	1	2
	Max. number of input strings per MPPT	1	1	1
	Max. input current per MPPT	15A	27A	27/27A
	Max. short-circuit current per MPPT	18A	35A	35/35A
Grid (AC Input)	Max input power	5000W	11500W	16000W
	Max input current	28A	50A	90A
	Rated grid voltage	220/230/240Vac	220/230/240Vac	220/230/240Vac
	Rated grid frequency	50/60Hz	50/60Hz	50/60Hz
	Acceptable range	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)	170-280Vac (For UPS) ; 90-280Vac (For Home Appliances)
Battery Parameters (Bidirection)	Battery type	LiFePO <sub>4</sub> /Lead-acid	LiFePO <sub>4</sub> /Lead-acid	LiFePO <sub>4</sub> /Lead-acid
	Battery voltage range	20~30Vdc	40~60Vdc	40~60Vdc
	Rate Battery Voltage	24Vdc	48Vdc	48Vdc
	Max. charge/discharge current	120A/160A	120A/130A	210A/230A
	BMS communication mode	RS485	RS485	RS485
Back-up Output (AC Output)	Rated output power	4000W/4000VA	6000W/6000VA	12000W/12000VA (Twin output)
	Rated output current	18.2A	27.3A	54.5A
	Rated output voltage / Frequency	220/230/240Vac 50/60Hz	220/230/240Vac 50/60Hz	220/230/240Vac 50/60Hz
	Parallel Capacity	-	Max. 12 Units	Max. 12 Units
	Surge power	8000VA 5s	12000VA 5s	24000VA 5s
	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
Efficiency	Peak efficiency	95.00%	98.00%	98.00%
	Max. MPPT efficiency	99.90%	99.90%	99.90%
Protection	Inner protection	√ Output short-circuit protection    √ Output overvoltage protection		
	Surge protection	PV: Type III, AC: Type III		
	IP rating	IP54		
General Parameters	Operating temperature range	-10°C ~ 55°C		
	Relative humidity range	5%~95%	5%~95%	5%~95%
	Max. operating altitude	>2000m derating	>2000m derating	>2000m derating
	Standby self-consumption	<10W	<10W	<20W
	Installation type	Wall-mounted	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling	Fan cooling
	Communication	RS232/RS485/Dry contact/WI-FI	RS232/RS485/Dry contact/WI-FI	RS232/RS485/Dry contact/WI-FI
Mechanical Specifications	Display	LCD		
	Inverter dimensions (L*W*H) (mm)	444.7*346.6*120	444.7*346.6*120	630*525*125
	Net weight (kg)	9.2	12.4	28.5
	Shipping dimensions (L*W*H) (mm)	560*465*240	560*465*240	745*650*240
	Gross weight (kg)	11.4	14.6	32
	Warranty Period	3 Years		

# OFF GRID INVERTER

## YME0 Series Us Single/Split Phase

**3K5L1-US/6KL2-US/12KL2-US**

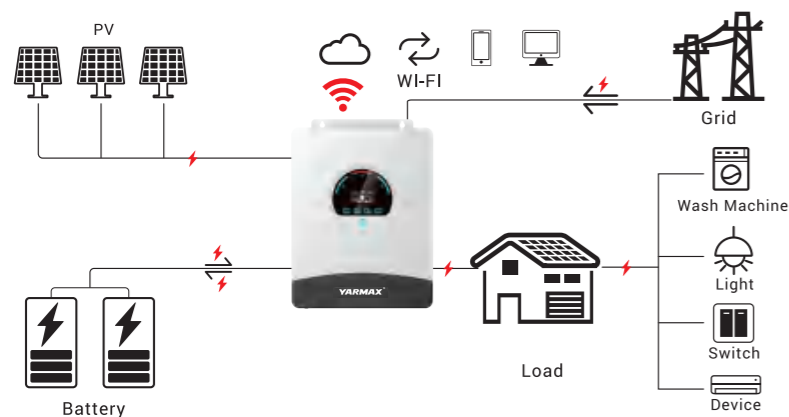
-   
3.5-12Kw
-   
500V
-   
120/240V
-   
48V
-   
IP54



**IP54 Design**  
**Pure Sine Wave**  
**Wide MPPT Operating Range**  
**Built-In BMS Communication**  
**Max. 12 Units Parallel**  
**3 Years Warranty**

**CE** EN 62109-1 EN 62109-2 IEC 61000

### HOUSE ENERGY SYSTEM (OFF GRID)



### CONNECTOR



T1: PV1/PV2      T3: AC GRID  
 T2: BAT+/BAT-      T4: AC LOAD

		YME0-3K5L1-US	YME0-6KL2-US	YME0-12KL2-US
PV (DC Input)	Recommended max. PV input power	4000W	6000W	12000W
	Max. input voltage(Voc)	500V	500V	500V
	MPPT operating voltage range	85V-450V (@75V start up)	85V-450V (@75V start up)	85V-450V (@75V start up)
	Number of MPPT	1	1	2
	Max. number of input strings per MPPT	1	1	1
	Max. input current per MPPT	18A	27A	27/13(MAX:40A)
	Max. short-circuit current per MPPT	22A	35A	37A/17.5A
Grid (AC Input)	Max input power	6000W	12000W	24000W
	Max input current	50A	50A	100A
	Rated grid voltage	110/120/127Vac (L,N)	120/240,208Vac(L1,L2,N)	120/240,208Vac(L1,L2,N)
	Rated grid frequency	50/60Hz	50/60Hz	50/60Hz
	Acceptable range	90-140Vac (For UPS) ; 80-140Vac (For Home Appliances)	90-140Vac (For UPS) ; 80-140Vac (For Home Appliances)	90-140Vac (For UPS) ; 80-140Vac (For Home Appliances)
Battery Parameters (Bidirection)	Battery type	LiFePO <sub>4</sub> /Lead-acid	LiFePO <sub>4</sub> /Lead-acid	LiFePO <sub>4</sub> /Lead-acid
	Battery voltage range	40-60Vdc	40-60Vdc	40-60Vdc
	Rate Battery Voltage	48Vdc	48Vdc	48Vdc
	Max. charge/discharge current	60A/65A	120A/130A	210A/230A
	BMS communication mode	RS485	RS485	RS485
Back-up Output (AC Output)	Rated output power	3500W/3500VA	6000W/6000VA	12000W/12000VA
	Rated output current	31.8A	27.3A	54.5A
	Rated output voltage / Frequency	110/120/127V (L,N) 50/60Hz	120/240V (L1,L2,N) 50/60Hz	120/240V (L1,L2,N) 50/60Hz
	Parallel Capacity	Max. 12 Units	Max. 12 Units	Max. 12 Units
	Surge power	7000VA 5s	12000VA 5s	24000VA 5s
	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
Efficiency	Peak efficiency	98.00%	98.00%	98.00%
	Max. MPPT efficiency	99.90%	99.90%	99.90%
Protection	Inner protection	√ Output short-circuit protection    √ Output overvoltage protection		
	Surge protection	PV: Type III, AC: Type III		
	IP rating	IP54		
General Parameters	Operating temperature range	-10°C ~ 55°C		
	Relative humidity range	5%~95%	5%~95%	5%~95%
	Max. operating altitude	>2000m derating	>2000m derating	>2000m derating
	Standby self-consumption	<10W	<10W	<20W
	Installation type	Wall-mounted	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling	Fan cooling
	Communication	RS232/RS485/Dry contact/WI-FI	RS232/RS485/Dry contact/WI-FI	RS232/RS485/Dry contact/WI-FI
Mechanical Specifications	Display	LCD		
	Inverter dimensions (L*W*H) (mm)	444.7*346.6*120	444.7*346.6*120	710*525*125
	Net weight (kg)	12	15	31
	Shipping dimensions (L*W*H) (mm)	560*465*240	560*465*240	825*650*240
	Gross weight (kg)	14	17	33
	Warranty	3 Years		

# HYBRID INVERTER

## YMEX Series EU Single Phase

**3K6L1/5KL1/6KL1**

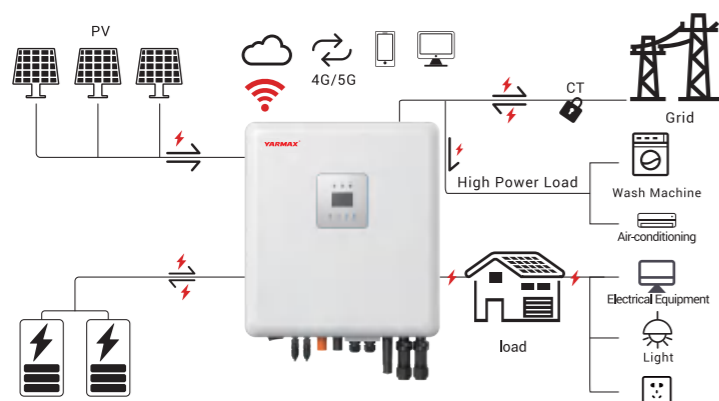
-   
3.6-6Kw
-   
550V
-   
230V
-   
48V
-   
IP65



**IP65 Design**  
**Natural Cooling**  
**Support LFP & SLA Battery**  
**Max.6 Units Parallel**  
**5/10/15 Years Warranty**

**CE** Grid Code EN 50549-1 VDE 4105 NTs type A  
 NRS 097-2-1 TP C10:11 CEI 0-21

### HYBRID HOUSE ENERGY SYSTEM (ON/OFF GRID)



### CONNECTOR



T1: PV1/PV2      T3: AC GRID  
 T2: BAT+/BAT-    T4: AC LOAD

		YMEX-3K6L1	YMEX-5KL1	YMEX-6KL1
PV (DC Input)	Recommended max. PV input power	4800W	8000W	8000W
	Max. input voltage(Voc)	600V	600V	600V
	MPPT operating voltage range	120-550V	120-550V	120-550V
	Number of MPPT	1	2	2
	Max. number of input strings per MPPT	1	1	1
	Max. input current per MPPT	13A	13/13A	13/13A
	Max. short-circuit current per MPPT	20A	20A	20A
On-grid (Bidirection)	Rated input power	3600W	5000W	6000W
	Rated input current	15.7A	21.7A	26.1A
	Rated grid voltage	230V (L,N,PE) 50/60Hz	230V (L,N,PE) 50/60Hz	230V (L,N,PE) 50/60Hz
	THDi	<3%	<3%	<3%
	Power factor	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
Battery parameters (Bidirection)	Battery type	SLA & LiFePO <sub>4</sub>	SLA & LiFePO <sub>4</sub>	SLA & LiFePO <sub>4</sub>
	Battery voltage range	40-60V	40-60V	40-60V
	Rated Battery Voltage	48VDC	48VDC	48VDC
	Max. charge/discharge current	50A	100A	100A
Back-up Output (AC Output)	BMS communication mode	485;CAN	485;CAN	485;CAN
	Rated output power	3600W/3600VA	5000W/5000VA	6000W/6000VA
	Rated output current	15.7A	21.7A	26.1A
	Rated output voltage	230V (L,N,PE) 50/60Hz	230V (L,N,PE) 50/60Hz	230V (L,N,PE) 50/60Hz
	Surge power	3960VA	5500VA	6600VA
	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	<10ms	<10ms	<10ms
Efficiency	Max. MPPT efficiency	99.90%	99.90%	99.90%
	Max. efficiency	97.20%	98.00%	98.00%
	European efficiency	96.40%	97.10%	97.10%
	Battery charging/discharging efficiency	94.00%	94.00%	94.00%
Protection	Protection	✓DC switch    ✓PV reverse connection protection    ✓ Battery reverse connection protection ✓Output short-circuit protection    ✓Output overvoltage protection ✓Insulation impedance detection    ✓Residual current detection    ✓Anti-island protection		
	Surge protection	PV: Type III, AC: Type III		
General parameters	IP rating	IP65	IP65	IP65
	Operating temperature range	-25~60℃	-25~60℃	-25~60℃
	Relative humidity range	0~95%	0~95%	0~95%
	Installation type	Wall mounted	Wall mounted	Wall mounted
Mechanical Specifications	Cooling mode	Natural cooling	Natural cooling	Natural cooling
	Communication	Wi-Fi; R485; CAN; GPRS	Wi-Fi; R485; CAN; GPRS	Wi-Fi; R485; CAN; GPRS
	Display	LCD;APP	LCD;APP	LCD;APP
	Inverter dimensions (L*W*H) (mm)	535*485*198.5	535*485*198.5	535*485*198.5
Mechanical Specifications	Net weight (kg)	27.5	29	29
	Carton dimensions (L*W*H) (mm)	715*565*331	715*565*331	715*565*331
	Gross weight (kg)	31.5	34.5	34.5
	Warranty	5 Years Standard (10/15 Years Optional)		

# HYBRID INVERTER

## YMEX Series EU Three Phase

**10KH3/12KH3/15KH3**

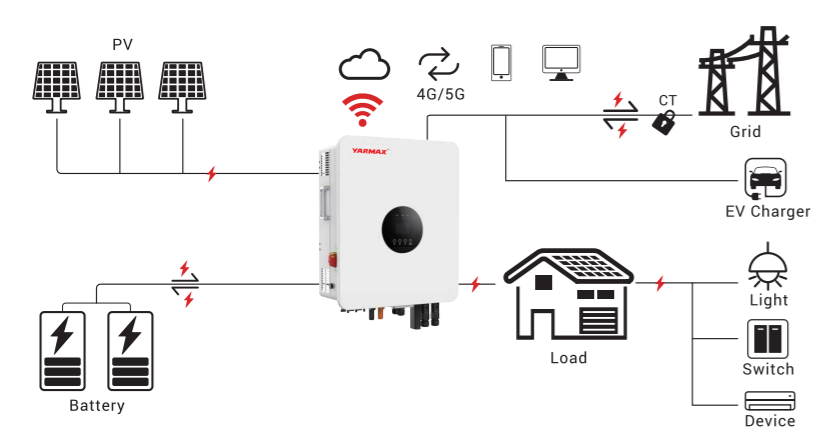
-   
10-15kW
-   
850V
-   
400V
-   
160-800V
-   
IP65



**IP65 Design**  
**Smart Cooling**  
**Support Stackable Battery**  
**Built-In BMS Communication**  
**10 Years Warranty**

**CE** Grid Code **EN 50549-1 VDE 4105 NTs type A**  
**NRS 097-2-1 TP C10:11 CEI 0-21**

### HYBRID HOUSE ENERGY SYSTEM (ON/OFF GRID)



### CONNECTOR



T1: PV1/PV2    T3: AC GRID  
 T2: BAT+/BAT-    T4: AC LOAD

	YMEX-10KH3	YMEX-12KH3	YMEX-15KH3	
PV (DC Input)	Recommended max. PV input power	22800W	22800W	22800W
	Max. input voltage(Voc)	1000V	1000V	1000V
	MPPT operating voltage range	200-850V (@200V start up)	200-850V (@200V start up)	200-850V (@200V start up)
	Number of MPPT	2	2	2
	Max. number of input strings per MPPT	1+2	1+2	1+2
	Max. input current per MPPT	15A+30A	15A+30A	15A+30A
	Max. short-circuit current per MPPT	19.5/40A	19.5/40A	19.5/40A
On-grid (Bidirection)	Rated input power	10000W	12000W	15000W
	Rated input current	14.5A	17.4A	21.7A
	Rated grid voltage	400V (L1,L2,L3,N,PE) 50/60Hz	400V (L1,L2,L3,N,PE) 50/60Hz	400V (L1,L2,L3,N,PE) 50/60Hz
	THDi	<3%	<3%	<3%
Battery parameters (Bidirection)	Power factor	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
	Battery type	SLA & LiFePO4	SLA & LiFePO4	SLA & LiFePO4
	Battery voltage range	160-800V	160-800V	160-800V
	Rated Battery Voltage	400V	400V	400V
	Max. charge/discharge current	50A	50A	50A
Back-up Output (AC Output)	BMS communication mode	485;CAN	485;CAN	485;CAN
	Rated output power	10000W/10000VA	12000W/12000VA	15000W/15000VA
	Rated output current	14.5A	17.4A	21.7A
	Rated output voltage	400V (L1,L2,L3,N,PE) 50/60Hz	400V (L1,L2,L3,N,PE) 50/60Hz	400V (L1,L2,L3,N,PE) 50/60Hz
	Surge power	11000VA	13200VA	16500VA
	THDv (@ linear load)	<3%	<3%	<3%
Efficiency	Switching time	<10ms	<10ms	<10ms
	Max. MPPT efficiency	99.90%	99.90%	99.90%
	Max. efficiency	98.00%	98.00%	98.00%
	European efficiency	97.50%	97.50%	97.50%
Protection	Battery charging/discharging efficiency	97.00%	97.00%	97.00%
	Protection	✓DC switch    ✓PV reverse connection protection    ✓Battery reverse connection protection ✓Output short-circuit protection    ✓Output overvoltage protection ✓Insulation impedance detection    ✓Residual current detection    ✓Anti-island protection		
	Surge protection	PV: Type III, AC: Type III		
General parameters	IP rating	IP65	IP65	IP65
	Operating temperature range	-20~60°C	-20~60°C	-20~60°C
	Relative humidity range	10~90%	10~90%	10~90%
	Installation type	Wall mounted	Wall mounted	Wall mounted
	Cooling mode	Smart cooling	Smart cooling	Smart cooling
	Communication	Wi-Fi; R485; CAN; GPRS	Wi-Fi; R485; CAN; GPRS	Wi-Fi; R485; CAN; GPRS
Mechanical Specifications	Display	LCD;APP	LCD;APP	LCD;APP
	Inverter dimensions (L*W*H) (mm)	480*425*202	480*425*202	480*425*202
	Net weight (kg)	25	26	27
	Carton dimensions (L*W*H) (mm)	637*545*326	637*545*326	637*545*326
	Gross weight (kg)	29	30	31
Warranty	5 Years Standard (10/15 Years Optional)			

# HYBRID INVERTER

## YMEX Series US Split Phase

**8KH2/10KH2/12KH2/15KH2**

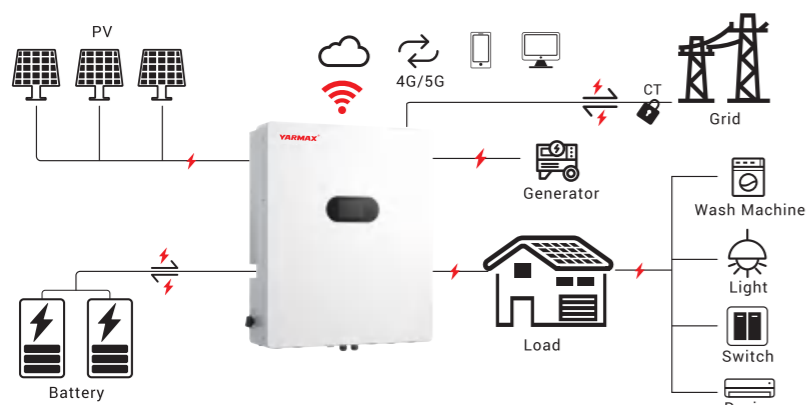
8-15kW 550V 120/240V 75-480V TYPE 4X



**TYPE 4X Design**  
**Natural Cooling**  
**Support Stackable Battery**  
**Generator Port**  
**10 Years Warranty**

**UL1741, UL1699B, IEEE1547.1-2020, FCC (part15 class B), AFCI TYPE1**

### HYBRID HOUSE ENERGY SYSTEM (ON/OFF GRID)



### CONNECTOR







T1: PV1/PV2 T4: GENERATOR  
 T2: BAT+/BAT- T5: AC LOAD  
 T3: AC GRID

		YMEX-8KH2	YMEX-10KH2	YMEX-12KH2	YMEX-15KH2
PV (DC Input)	Recommended max. PV input power	14.4kW	14.4kW	20kW	24kW
	Max. input voltage(Voc)	550V	550V	550V	550V
	MPPT operating voltage range	120-550V	120-550V	120-550V	120-550V
	No. of MPPT/Strings per MPPT	4/1	4/1	4/2	4/2
	Max input power per MPPT	3.6KW	3.6KW	5KW	6KW
	Max. input current per MPPT	15.5A	15.5A	27A	27A
	Max. short-circuit current per MPPT	20A	20A	40A	40A
On-grid (Bidirection)	Rated input power (Bidirection)	8kW	10kW	12kW	15kW
	Rated input current (Bidirection)	33.3A	41.6A	50A	62.5A
	Max. Continuous AC input power	20kW	20kW	20kW	20kW
	Max. Continuous AC input current	83.3A	83.3A	83.3A	83.3A
	THDi	<3%	<3%	<3%	<3%
	Rated grid voltage	120/240V,208V (L1, L2, N) 50/60Hz			
	Power factor	0.8leading...0.8lagging			
Battery Parameters (Bidirection)	Battery type	LiFePO <sub>4</sub>			
	Battery voltage range	75-480Vdc			
	Rated Battery Voltage	153.6Vdc	153.6Vdc	204.8Vdc	204.8Vdc
	Max. charge/discharge current	75A			
	BMS communication mode	CAN/485			
Back-up Output (AC Output)	Rated Output voltage(L-L)	120/240V,208V (L1, L2, N) 50/60Hz			
	Output power/current (L-L)	Rated: 8kW / 33.3A ; Max.: 19kW/79.2A (On Grid)	Rated: 10kW / 41.6A ; Max.: 19kW/79.2A (On Grid)	Rated: 12kW / 50A ; Max.: 19kW/79.2A (On Grid)	Rated: 15kW / 62.5A ; Max.: 19kW/79.2A (On Grid)
	Rated output voltage(L-N)	120 V (L, N) 60Hz			
Generator Parameters (AC Input)	Rated AC input voltage	120/240 V (L1, L2,N) 60Hz			
	Max. AC input current	79.2A			
	Max. AC input power	19kW			
Efficiency	Peak efficiency	97.00%	97.00%	97.00%	97.00%
	Max. MPPT efficiency	99.90%	99.90%	99.90%	99.90%
	Battery charging/discharging efficiency	96.00%	96.00%	96.00%	96.00%
Protection	Inner protection	✓ DC switch ✓ PV reverse connection protection ✓ Battery reverse connection protection ✓ Output short-circuit protection ✓ Output overvoltage protection ✓ ARC protection ✓ Insulation impedance detection ✓ Residual current detection ✓ Anti-island protection			
	Surge protection	PV: Type III, AC: Type III			
	Enclosure Type	Type 4X			
General Parameters	Operating temperature range	-22°F~-+140°F (No derating below 113° F)			
	Switching time	10ms typical (On grid/off grid switch)			
	Relative humidity range	>3000m derating			
	Cooling mode	Natural cooling			
	Communication	WIFI/BLUETOOTH	WIFI/BLUETOOTH	WIFI/BLUETOOTH	WIFI/BLUETOOTH
Mechanical Specifications	Inverter dimensions (L*W*H) (mm)	840*680*200	840*680*200	840*680*200	840*680*200
	Net weight (kg)	55	55	55	55
	Shipping dimensions (L*W*H) (mm)	1075*895*365	1075*895*365	1075*895*365	1075*895*365
	Gross weight (kg)	65	65	65	65
	Warranty Period	5 Years Standard (10/15 Years Optional)			

# 25.6V 8S LiFePO<sub>4</sub> BATTERY

## Wall-Mounted 2.56kWh

-   
25.6V
-   
2.56kW
-   
2.56kWh
-   
IP20



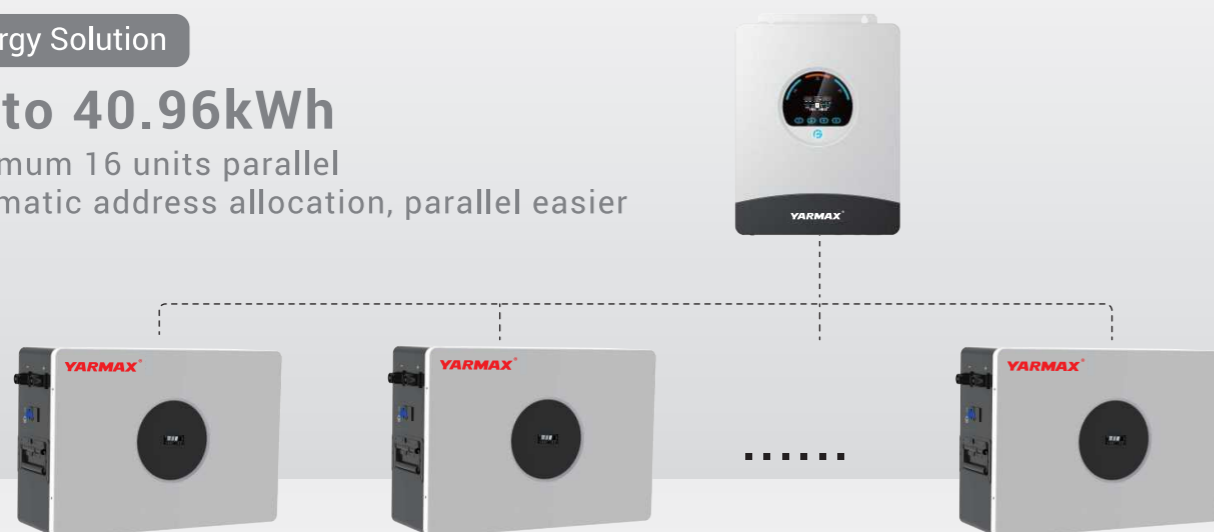
**Ultra-thin**  
**Smart Connection**  
**High Density**  
**10 Years Warranty**  
**Built-in BMS Communication**

CE UN38.3 MSDS IEC62619

Energy Solution

### Up to 40.96kWh

Maximum 16 units parallel  
Automatic address allocation, parallel easier



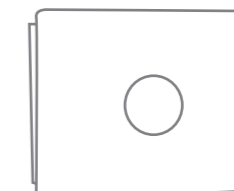
## ENERGY STORAGE BATTERY

**YMLB-24100M**  
Wall mounted 25.6V 100Ah

### » Key Features

- Plug-in terminal design, fast installation available
- Under voltage automatically restart
- Easy maintenance
- High power charging/discharging @ 6000 cycles
- Standard protocols & user-defined protocols

### » Package Info







Product Size  
355\*505\*210mm

### » Specifications

	YMLB-24100M
Nominal Energy (kWh)	2.56
Nominal Voltage (V)	25.6
Nominal Capacity (Ah)	100
IP Rating	IP 20
Output Power (kW)	2.56
Voltage Range (V)	21.6~29.2
Charge Voltage (V)	28.4~29.2
Charge Current (A)	75
Discharge Current (A)	100
Charge Mode	CC-CV
Communication	CAN/ RS485/ RS232
Charge Temperature	0 - 50 °C
Discharge Temperature	-20°C~60°C
Designed Life	10+ Years
Cycle Life	> 6000 (@25°C , 80% DOD)
Weight (kg)	23

# 51.2V 16S LiFePO<sub>4</sub> BATTERY Wall-Mounted 10kWh

-   
51.2V
-   
5.12kW
-   
10.24kWh
-   
IP20



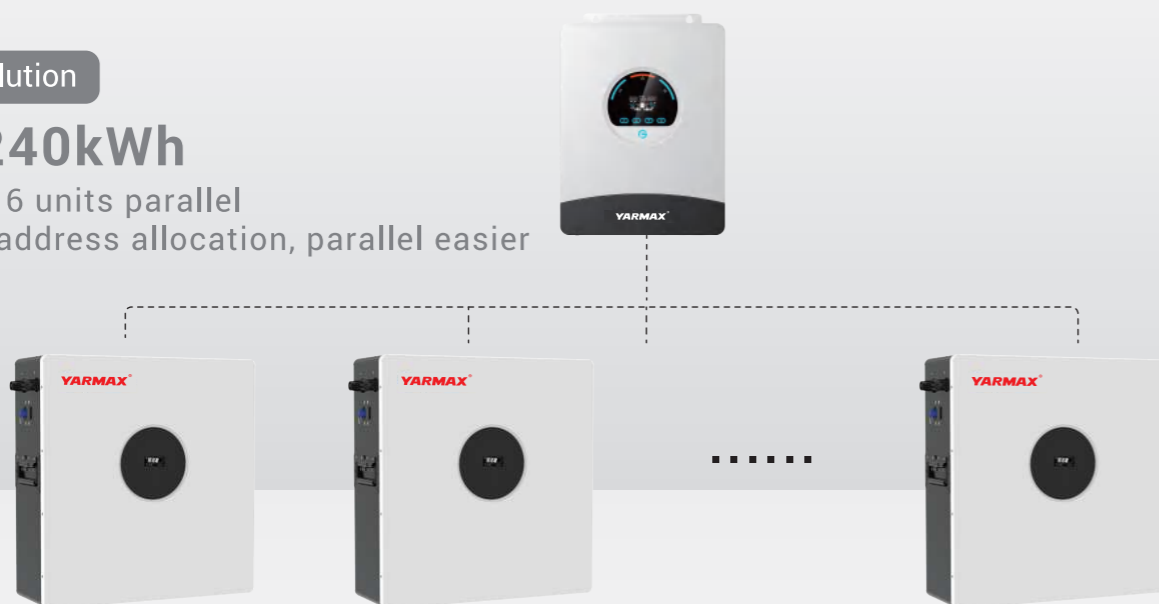
**Ultra-thin  
Smart Connection  
High Capacity  
10 Years Warranty**

CE UN38.3 MSDS IEC62619

Energy Solution

## Up to 240kWh

Maximum 16 units parallel  
Automatic address allocation, parallel easier



## ENERGY STORAGE BATTERY

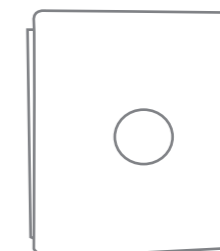


**YMLB-48100M**  
Wall-mounted 51.2V 100Ah

### » Key Features

- Plug-in terminal design, fast installation available
- Under voltage automatically restart
- Easy maintenance
- High power charging/discharging @ 6000 cycles
- Standard protocols & user-defined protocols

### » Package Info



Product Size  
525\*505\*178mm

### » Specifications

	YMLB-48100M
Nominal Energy (kWh)	5.12
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
IP Rating	IP 20
Output Power (kW)	5.12
Voltage Range (V)	43.2~58.4
Charge Voltage (V)	56.8~58.4
Charge Current (A)	75
Discharge Current (A)	100
Charge Mode	CC-CV
Communication	CAN/ RS485/ RS232
Charge Temperature	0 - 55 °C
Discharge Temperature	-20°C~60 °C
Designed Life	10+ Years
Cycle Life	> 6000 (@25°C, 80% DOD)
Weight (kg)	45

# 51.2V 16S LiFePO<sub>4</sub> BATTERY

## Wheeled 15kWh

-   
51.2V
-   
7.68kW
-   
15.36kWh
-   
IP20



**Moveable**  
**Smart Connection**  
**High Capacity**  
**10 Years Warranty**

CE UN38.3 MSDS IEC62619

Energy Solution

### Up to 240kWh

Maximum 16 units parallel  
Automatic address allocation, parallel easier



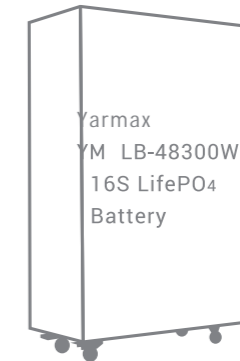
## ENERGY STORAGE BATTERY



### » KEY FEATURES

- Plug-in terminal design, fast installation available
- Under voltage automatically restart
- Easy maintenance
- High power charging/discharging @ 6000 cycles
- Standard protocols & user-defined protocols

### » PACKAGE INFO



- Product Size**  
770\*500\*250mm
- Packing Size**  
910\*560\*445mm
- Gross weight**  
123kg

### » Specifications

YMLB-48300W	
Nominal Energy (kWh)	15.36
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	300
IP Rating	IP 20
Output Power (kW)	7.68
Voltage Range (V)	44.8~58.4
Charge Voltage (V)	55.2~58.4
Charge Current (A)	100
Discharge Current (A)	150
Charge Mode	CC-CV
Communication	CAN/ RS485/ RS232
Charge Temperature	0 - 55 °C
Discharge Temperature	-20 - 60 °C
Designed Life	10+ Years
Cycle Life	> 6000 (@25°C, 80% DOD)
Weight (kg)	123

# 51.2V 16S LiFePO<sub>4</sub> BATTERY

## Wheeled 10kWh

-   
51.2V
-   
7.68kW
-   
10.24kWh
-   
IP20



**Moveable**  
**Smart Connection**  
**High Capacity**  
**10 Years Warranty**

CE UN38.3 MSDS IEC62619

Energy Solution  
**Up to 160kWh**  
Maximum 16 units parallel  
Automatic address allocation, parallel easier



## ENERGY STORAGE BATTERY

**YM LB-48200W**  
Wheeled 48V 200Ah

### » Key Features

- Plug-in terminal design, fast installation available
- Under voltage automatically restart
- Easy maintenance
- High power charging/discharging @ 6000 cycles
- Standard protocols & user-defined protocols

### » Package Info



- Product Size**  
750\*485\*194mm
- Packing Size**  
930\*565\*400mm
- Gross weight**  
92kg

### » Specifications

YMLB-48200W (Customized)	
Nominal Energy (kWh)	10.24
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	200
IP Rating	IP 20
Output Power (kW)	7.68
Voltage Range (V)	44.8~58.4
Charge Voltage (V)	55.2~58.4
Charge Current (A)	100
Discharge Current (A)	150
Charge Mode	CC-CV
Communication	CAN/ RS485/ RS232
Charge Temperature	0 - 55 °C
Discharge Temperature	-20 - 60 °C
Designed Life	10+ Years
Cycle Life	> 6000 (@25°C , 80% DOD)
Weight (kg)	92


# LiFePO<sub>4</sub> STACKED BATTERY

## 51.2V Series Boosting MAX. to 400Vdc



Support 2-8 Unit Stack  
 IP65 Design  
 1.0-1.6m Stack Height  
 100-400Vdc Output



Single Module	YMHB-48100S	
 YMSB-48100H (16S)	Battery type	LiFePO <sub>4</sub>
	Nominal Energy (kWh)	5.12
	Nominal Capacity [Ah]	100
	Nominal Voltage [V]	51.2
	Voltage Range [V]	43.2~58.4
	Operation Temperature	-20°C~45°C@DisCharge 0°C~45°C@charge
	Designed Life	10+ Years
	Cycle Life	More than 6000 Cycles @25°C 80%DOD
	Dimension(L*W*H) (mm)	600*390*158.5
	Weight (kg)	44

## HIGH VOLTAGE STACKABLE BATTERY



### » Key Features

- Suitable for both off-grid and hybrid inverters, and protocol match well
- The fault diagnosis and isolating function for battery module protects the system
- Programmable charge and discharge control
- Elegant design, IP Rate: IP65, Plug and Play
- Design Life >10 years @25°C
- Flexible and easy installation
- Multi-level software and hardware protection
- Cycles: More than 6000 cycle life with 80% DOD
- Certificates:CE, TUV, ROHS, UN38.3, IEC62619, MSDS

### » Stacked Solution

Parameters	YMHB-48100S-2	YMHB-48100S-3	YMHB-48100S-4	YMHB-48100S-5	YMHB-48100S-6	YMHB-48100S-7	YMHB-48100S-8
Battery module quantity							
Battery module energy (kWh)	10.24	15.36	20.48	25.60	30.72	35.84	40.96
Module Number	2	3	4	5	6	7	8
Rated Voltage (V)	102.4	153.6	204.8	256.0	307.2	358.4	409.6
Voltage Range (V)	86.4-116.8	129.6-175.2	172.8-233.6	216.0-292.0	259.2-350.4	302.4-408.8	345.6-467.2
Rated Charge Current(A)	20	20	20	20	20	20	20
Rated Discharge Current(A)	50	50	50	50	50	50	50
Max. Discharge Current (A)	75	75	75	75	75	75	75
Dimension:(W*D*H)	600*390*652	600*390*816	600*390*979	600*390*1143	600*390*1306	600*390*1470	600*390*1633
Weight (kg)	119	165	212	258	304	350	397

Environment Parameter	
Enclosure Protection Rating	IP65
Charge Temperature Range (°C)	0°C~50°C
Discharge Temperature Range (°C)	-20°C~55°C
Installation Method	Floor-mount
Service Life	
Cycle Life	> 6000 ( @25 °C , 80% DOD )
Design Life (Year)	10
Certification	
Safety & Certification	CE, IEC62619, UL1973
Transportation	UN38.3

# Balcony Storage YMMS-3250B BATTERY



30A



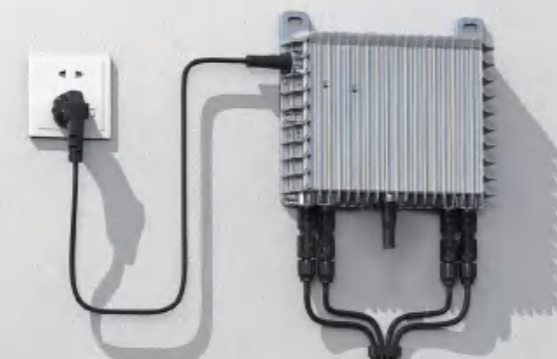
800W



60V



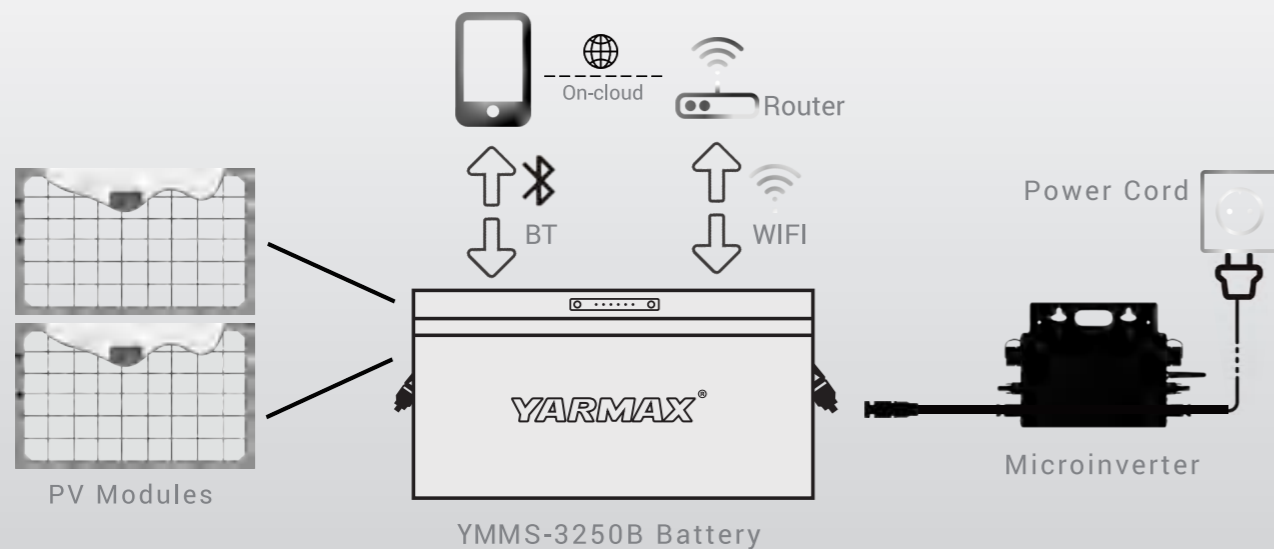
1.6kWh



**Plug & Play  
Portable  
10 Years Warranty**

**YARMAX<sup>®</sup>**

CE UN38.3 MSDS IEC62619



## PLUG & PLAY HOME ESS



**Battery YMMS-3250B**

Portable 32V 50Ah

### » Key Features

- Compatible with 99% balcony solar system
- High capacity 1600Wh
- 8000 charging cycles
- Rated output power up to 800w
- Fast connection, 5 minutes' plug & play
- 15 years lifespan
- IP65 Water/Dust Resistant

### » Specifications

Datesheet	Battery YMMS-3250B
Input Ports	MC4 @ 2 Terminal
Input Power(Charging)	800W
Input Current	30A Max
Input Voltage	20-60Vdc
<b>Output Data</b>	
Output Ports	MC4 @ 2 Terminal
Output Power(Discharging)	800W Max
Output Current	30A Max
Operating Voltage Range	20-60Vdc
<b>Mechanical Data</b>	
Capacity	1600Wh
Battery Type	LiFePO <sub>4</sub>
Communication	Bluetooth, 2.4GHz WLAN
Charge Temperature	0°C-50°C
Discharge Temperature	-20°C-55°C
Dimension (L*W*H) (mm)	463*285*200
Net Weight (kg)	21
Waterproof Rating	IP65

# PROJECT CASE




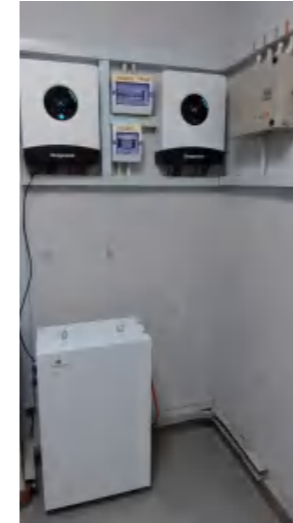
 18KW System in Ethiopia



 12KW System in Nigeria




 36KW System in Nigeria



 12KW System in Iraq



 18KW System in Lebanon




 18KW System in Syria




 36KW System in Burkina Faso



 12KW System in Dubai



 12KW System in Pakistan



 12KW System in Poland

# PROJECT CASE



 18KW System in Vietnam



 24KW System in Philippines



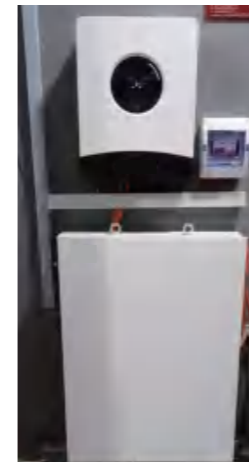
 30KW System in Peru



 24KW System in Brazil



 72KW System in Yangon, Myanmar



 6KW System in Bolivia



 6KW System in Chile



 6KW System in Colombia

# PORTABLE INDUSTRIAL RECHARGEABLE POWER STATION



		KJ350	KJ580	PS1000
Battery pack	Battery Type	LIFEPO4	LIFEPO4	Lithium-ion
	Capacity	2560Wh	5120Wh	1000.48Wh
	Nominal Voltage	51.2V	51.2V	29.6V
	Lifecycles	4500 cycles to 80%+ capacity	4500 cycles to 80%+ capacity	1000cycles to 80% + capacity
	Shelf life	24 months	24 months	18 months
Input	AC	800W Max.	1300W Max.	12-24V 200W MAX
	Solar panel charge	13-60V , 800W Max.	12-60V , 2000W Max.	12-24V 200W MAX
AC Output	2*AC ports(KJ350) 3*AC ports(KJ580)	3500W ,7000W(surge) 110V 60HZ	3500W ,7000W(surge) 110V 60HZ	1000W,2000(Surge)
DC Output. (Total 234W)	3x USB-A ports	5V/3A, 9V/2A, 12v/1.5A, 18W	5V/3A, 9V/2A, 12V/1.5A, 18W	Charge while discharge at the same time : supported for all ports . 2 x AC ports : Pure sine wave, 100-240V ,50Hz/60Hz , 1000W ,surge 2000W. 3 x USB-A ports : 5V / 2.4A, 9V / 2A, 12V /1.5A , 18W. All 3 ports are 18W fast charge. 1 x USBC port: PD100W, 5V,9V,12V,15V,20V,1.5A, 2.4 A,3A ,5A . 2 x DC5521 : 13.6V,3A 1 x Cigarette lighter port: 13.6V-14V(Max.) ,136W - 150W(Max.) 10-12A Max.
	1x USBC port:	5V,9V, 12V, 15V,20V,5A Max. 100W Max.	5V,9V, 12V, 15V,20V,5A Max. 100W Max.	
	2xDC5521	12V , 10A , 120W	12V , 10A , 120W	
LED lighter	3W, SOS mode available			LED lighter: 1W ,SOS mode available
General info	Dimensions ( mm)	L55 X W36.5 X H44.5	L52 X W33 X H47	L38 x W18 x H25
	Net weight	42kgs	49kgs	9.8Kgs
	Gross weight	55kgs	49kgs	NA
	Relative humidity	10%- 90%	10%- 91%	10%- 90%
	Operating temperature:	14-104° F (-10-40°C)	14-104° F (-10-40°C)	14-104° F (-10-40°C)
	Charging temperature:	14-104° F (-10-40°C)	14-104° F (-10-40°C)	32-104° F (0-40°C)
	Storage temperature:	14-104° F (-10-40°C)	14-104° F (-10-40°C)	32-113 ° F (0-45°C)
In the box	1x 3500W Power station 1x user manual 1x AC charging wire	1x 3500W Power station 1x user manual 1x AC charging wire	1x 1000W Power station; 1x user manual; 1x AC adapter 1x 12V car charger cable	

# Rechargeable portable power source



Fan  
Power:100W  
Load Rate:100%  
Time:24H



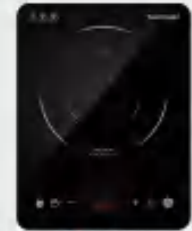
Rice cooker  
Power:500W  
Load Rate:100%  
Time:7.8H



Fan  
Power:100W  
Load Rate:100%  
Time:56.2H



Rice cooker  
Power:500W  
Load Rate:100%  
Time:11.2H



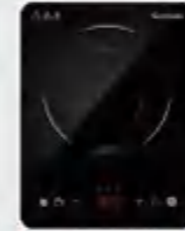
Induction cooker  
Power:2000W  
Load Rate:50%  
Time:2.4H



**KJ350**



Roller washing machine  
Power:200W  
Load Rate:100%  
Time:12H



Induction cooker  
Power:2000W  
Load Rate:50%  
Time:5.7H



**KJ580**



Roller washing machine  
Power:200W  
Load Rate:100%  
Time:28.1H



LED light  
Power:100W  
Load Rate:100%  
Time:24H



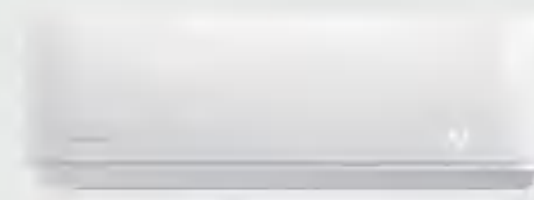
Air conditioner  
Power:735W  
Load Rate:50%  
Time:6.4H



Refrigerator  
Power:100W  
Load Rate:15%  
Time:160H



LED light  
Power:100W  
Load Rate:100%  
Time:56.2H



Air conditioner  
Power:735W  
Load Rate:50%  
Time:15.3H



Refrigerator  
Power:100W  
Load Rate:15%  
Time:375H