



SKE New Energy Solution Expert

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Solar Inverter System





HYBRID SOLAR INVERTER

PH21 Series



Features:

- Grid-tie with backup+Off-Grid
- Built-in MPPT solar charge controller
- High PV input voltage range 60-450V
- Configurable AC/solar priority via LCD settings
- Inverter can operate without battery
- Smart battery charging design optimizes battery life
- WiFi APP monitoring optional
- High efficiency, low no-load loss
- BMS communication port



Home energy storage system



Model		PH21-1.2K	PH21-3.6K	PH21-6.2K
Rated battery voltage		12VDC	24VDC	48VDC
Inverter output	Rated power	1200W	3600W	6200W
	Peak power	2400W	7200W	12400W
	Waveform	Pure Sine Wave		
	AC voltage (Battery mode)	(220vac~240vac)±5% 230vac(Default)		
	Inverter efficiency(Max)	93%		
	Transfer time	10ms(UPS) 、20ms(APL)		
	No load power consumption	<30W@ 12VDC	<30W@ 24VDC	<40W@ 48VDC
AC input	Voltage	230VAC		
	Selectable voltage range	170~280VAC(UPS) 90~280VAC(APL)		
	Frequency range	50Hz / 60Hz (Auto sensing)		
Battery	Battery voltage	12VDC	24VDC	48VDC
	Floating charging voltage	13.5VDC	27VDC	54VDC
	Overcharge protection voltage	14.6VDC	29.2VDC	58.4VDC
Solar charger & AC charger	Solar charger type	MPPT		
	MPPT Max. PV array power	2000W	4000W	6000W
	MPPT output voltage range	60-400V	60-450V	60-450V
	Max.PV array open circuit voltage	450V	500V	500V
	Maximum solar charge current	60A	80A	80A
	Maximum AC charge current	60A	80A	80A
	Maximum charge current	60A	80A	80A
Physical	Dimensions D*W*H(mm)	354*261*99	334*309*109	440*309*109
	Package Size D*W*H(mm)	472*345*180	452*395*190	558*395*190
	Net weight(kg)	5.7	8.3	9.6
	Gross weight(kg)	6.7	9.3	10.6
Environment	Humidity	5% to 95% relative humidity (non-condensing)		
	Operating temperature	-10°C ~55°C		
	Storage temperature	-15°C ~60°C		

*Product specifications are subject to change without further notice



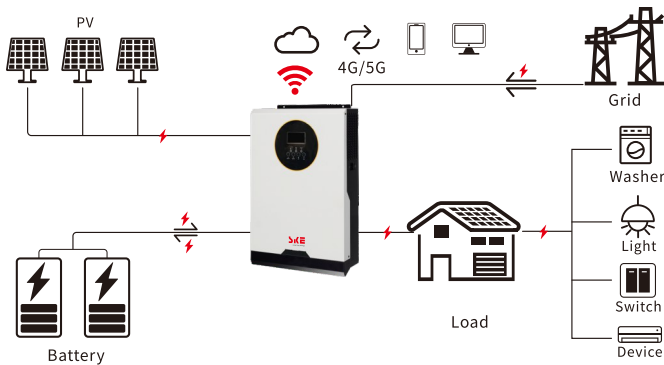
HYBRID SOLAR INVERTER

PH21 Series



Features:

- Grid-tie with backup+Off-Grid
- Built-in MPPT solar charge controller
- High PV input voltage range 60-450V
- Configurable AC/solar priority via LCD settings
- Inverter can operate without battery
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- WiFi APP monitoring optional
- High efficiency, low no-load loss
- BMS communication port
- Dual AC output
- Dual MPPT



Home energy storage system



Model		PH21-8.2K	PH21-10.2K
Rated battery voltage		48VDC	48VDC
Inverter output	Rated power	8200W	10200W
	Peak power	16400W	20400W
	Waveform	Pure Sine Wave	
	AC voltage (Battery mode)	(220vac~240vac)±5% 230vac (Default)	
	Inverter efficiency(Max)	94%	
	Transfer time	10ms(UPS) 、20ms(APL)	
	No load power consumption	<75W@48VDC	
AC input	Voltage	230VAC	
	Selectable voltage range	170~280VAC(UPS) 90~280VAC(APL)	
	Frequency range	50Hz / 60Hz (Auto sensing)	
Battery	Battery voltage	48VDC	
	Floating charging voltage	54VDC	
	Overcharge protection voltage	58.4VDC	
Solar charger & AC charger	Solar charger type	MPPT	
	MPPT Max. PV array power	5500W*2	
	MPPT output voltage range	60-450V	
	Max.PV array open circuit voltage	500V	
	Maximum solar charge current	150A	
	Maximum AC charge current	120A	
	Maximum charge current	150A	
Physical	Dimensions D*W*H(mm)	500*309*138	
	Package Size D*W*H(mm)	620*492*263	
	Net weight(kg)	18	
	Gross weight(kg)	19	
Environment	Humidity	5% to 95% relative humidity (non-condensing)	
	Operating temperature	-10°C ~55°C	
	Storage temperature	-15°C ~60°C	

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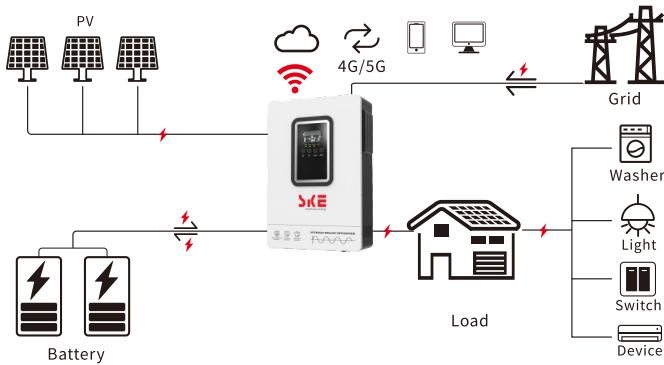
HYBRID SOLAR INVERTER

PH4200/6200



Features:

- Grid-tie with backup+Off-Grid
- Reliable quality,economical design
- Configurable AC/solar priority via LCD settings
- Built-in 80A MPPT solar charge controller
- High PV input range 40-450Vdc
- Smart battery charging design to optimize battery life
- WiFi remote monitoring optional
- Dual AC output
- BMS communication port



Home energy storage system

Specification

Model		PH4200	PH6200
Rated Power		4200VA/4200W	6200VA/6200W
Phase		1-Phase	
Input	Input Format	L+N+PE	
	Nominal Voltage	220Vac/230Vac	
	Selectable Voltage Range	90~280Vac±3V(Normal mode) / 170~280Vac±3V(UPS mode)	
	Frequency Range	40~70Hz±0.1%	
Output	AC Voltage (Battery mode)	208Vac / 220Vac / 230Vac / 240Vac±5%	
	Transfer Time	10ms, 20ms(Typical)	
	Wave Form	Pure Sine Wave	
	Frequency Range	50/60Hz±0.1%	
	Peak Efficiency	93%	94%
	No-load power consumption	<65W	<60W
Battery	Battery Voltage	24.0VDC	48.0VDC
	Floating Charging Voltage	28.2VDC	54.0VDC
	Over Charge Protection	30.5VDC	60.4VDC
Solar charger & AC charger	Solar Charger Type	MPPT	
	Max.Solar Input Current	18A	18A
	Max.PV Array Power	5000W	6000W
	Max.PV Arry Open Circuit Voltage	500V	500V
	PV Array Open Circuit Voltage	40-450V	120-450V
	Charge Current	2-100A(Adjustable)	2-100A(Adjustable)
	Max.Solar Charge Current	100A	100A
	Max.AC Charge Current	100A	80A
Physical	Dimensions D*W*H(mm)	422*282*94mm	464*314*115mm
	Package Size W*D*H(mm)	502*362*184mm	530*413*208mm
	Net Weight(kg)	8.3	9.6
	Communication Interface	COMM TYPE-B DRY CONTACT BMS	
Environment	Humidity	20%~95%	
	Operating Temperature	-10℃ ~55℃	
	Storage Temperature	-15~60℃	



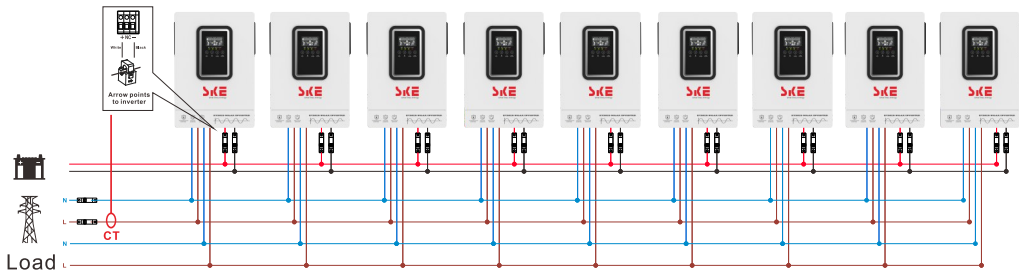
HYBRID SOLAR INVERTER

PH6200PL



Features:

- Grid-tie with backup+Off-Grid
- Reliable quality, economical design
- Configurable AC/solar priority via LCD settings
- Built-in 80A MPPT solar charge controller
- High PV input range 120-450Vdc
- Smart battery charging design optimizes battery life
- WiFi remote monitoring optional
- Dual AC output
- Max.9 units in parallel connection



Max.9 units in parallel



Model		PH6200PL
Rated Power		6200VA/6200W
Phase		Single Phase
Input	Input Format	L+N+PE
	Nominal Voltage	220Vac/230Vac
	Selectable Voltage Range	90~280Vac±3V(Normal mode) / 170~280Vac±3V(UPS mode)
	Frequency Range	40~70Hz±0.1%
Output	AC Voltage (Battery mode)	208Vac / 220Vac / 230Vac / 240Vac±5%
	Transfer Time	10ms, 20ms(Typical)
	Wave Form	Pure Sine Wave
	Frequency Range	50/60Hz±0.1%
	Peak Efficiency	94%
	No-load power consumption	<60W
Battery	Battery Voltage	48.0VDC
	Floating Charging Voltage	54.0VDC
	Over Charge Protection	60.4VDC
Solar charger & AC charger	Solar Charger Type	MPPT
	Max.Solar Input Current	18A
	Max.PV Array Power	6000W
	Max.PV Arry Open Circuit Voltage	500V
	PV Array Open Circuit Voltage	120-450V
	Charge Current	2-80A(Adjustable)
	Max.Solar Charge Current	80A
	Max.AC Charge Current	80A
Physical	Dimensions D*W*H(mm)	464*314*115mm
	Package Size D*W*H(mm)	530*413*208mm
	Net Weight(kg)	9.6
	Communication Interface	COMM TYPE-B DRY CONTACT BMS
Environment	Humidity	20%~95%
	Operating Temperature	-10°C ~55°C
	Storage Temperature	-15~60°C

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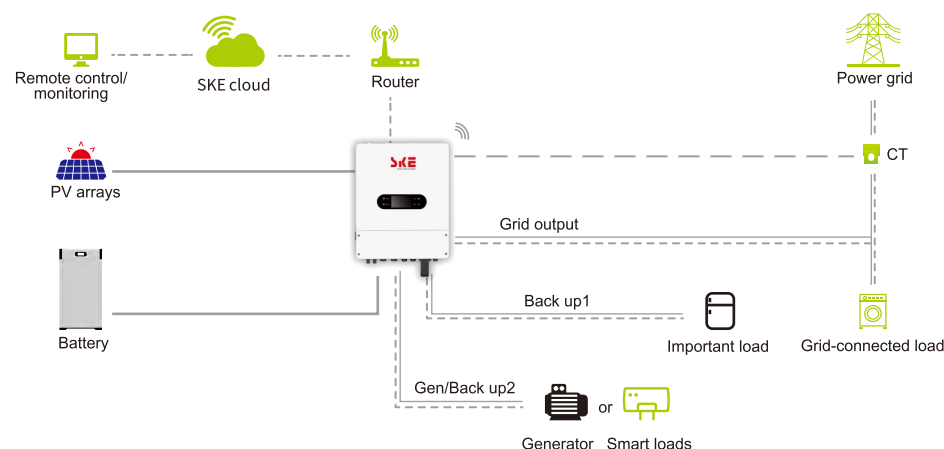
HYBRID ON/OFF-GRID SOLAR INVERTER

SKAT-3KS/4KS/6KS48P/8KS48P



SKAT series Single phase

- Up-to-120A current of battery charge and discharge
- Off-grid peak power of twice of rated power within 15 seconds
- Switching as uninterruptible power supply within 5 ms
- Supporting lead-acid batteries and lithium batteries and matching economical solutions for different markets
- IP66 design



Smart Energy Solutions

Specification

Modle Name	SKAT-3KS48P	SKAT-4KS48P	SKAT-6KS48P	SKAT-8KS48P
Battery input data				
Battery Type	Lithium or lead acid battery			
Rated battery voltage	48V			
Maximum charging voltage	≤60 (Configurable)			
Maximum charge/discharge current	75A	100A	120A	190A
PV input data				
Maximum DC input power	6kW	8kW	12kW	16000W
Maximum DC input voltage	500V			
MPPT Operating voltage range	150~450V			
Starting voltage	125V			
Maximum input current	18A	18/18A	18/18A	30/18A
MPPT number	1	2	2	2
AC output parameters (On-Grid)				
Maximum output apparent power	3300W	4400W	6000W	8800W
Rated output voltage	220/230V			
Rated output frequency	50/60Hz			
Max output current	15A	20A	27A	40A
Output power factor	1 (-0.8 leading~+0.8 lagging)			
AC output parameters(Off-Grid)				
Rated output apparent power	3000W	4000W	6000W	8000W
Maximum output apparent power	>200%,15sec			
Rated output voltage	230V			
Rated output frequency	50/60Hz			
Max output current	14A	18A	27A	40A
Efficiency				
Max efficiency	97.6%			
Max efficiency	94.5%			
Europe efficiency	97%			
Protection				
PV input reverse polarity protection	Yes			
PV insulation resistance detection	Yes			
Residual current detection	Yes			
Output over current protection	Yes			
Output short circuit protection	Yes			
Output over voltage protection	Yes			
Basic data				
Operation temperature	-25°C~60°C (frequency-decreasing above 45°C)			
Storage temperature	-30~65°C			
Relative humidity	0~95%			
Working altitude	≤4000m (frequency-decreasing above 2000m)			
Cooling	Natural cooling			
Noise	<55db			
Weight	20kg			21.5kg
Dimensions (W*H*D)	198*427*554mm			
Protection class	IP66			
Topology	HF isolation (Battery side)			
Standard				
Safety standard/EMC standard	NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)			
Grid-connected standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other standard	IEC61683, IEC62116, EN50530, IEC60068			



HYBRID ON/OFF-GRID SOLAR INVERTER

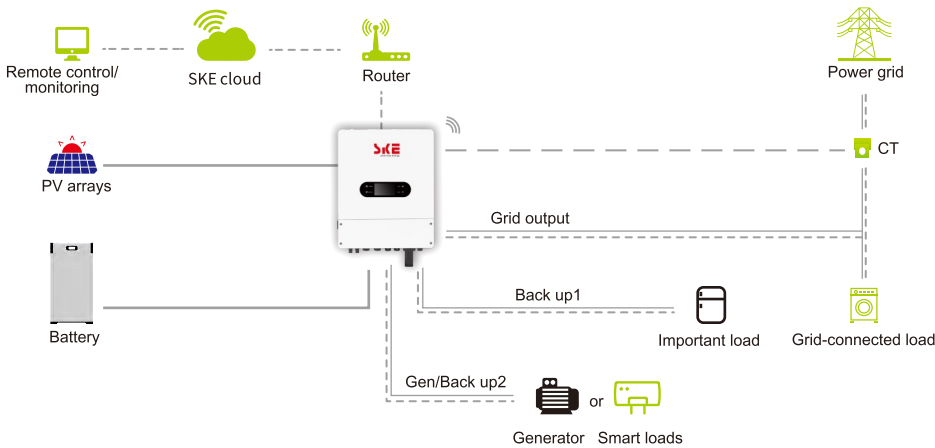
Specification

SKAT-8/10/12KS48P3



SKAT series Three Phase

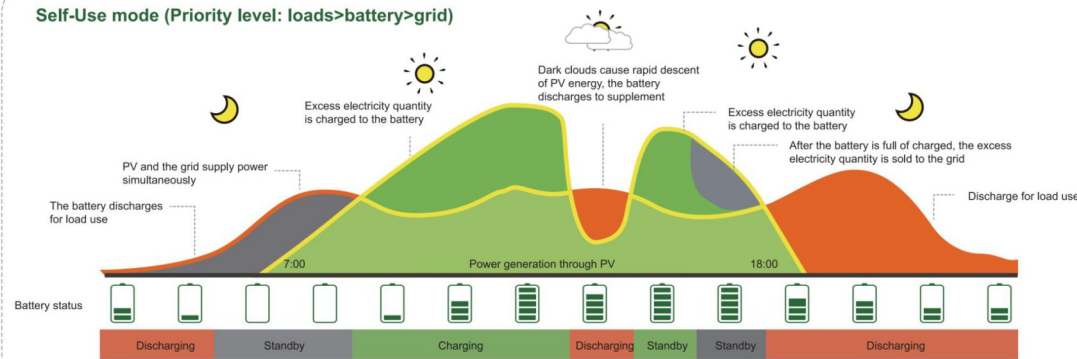
- Up-to-36A maximum input current
- Off-grid peak power of 200% overload within 15 seconds
- Adaptable to 18A modules and able to match mainstream highcurrent modules in the market
- 200% of photovoltaic over-proportion ratio for connecting more modules to ensure off-grid applications and fully charge battery;
- IP66 design



Smart Energy Solutions

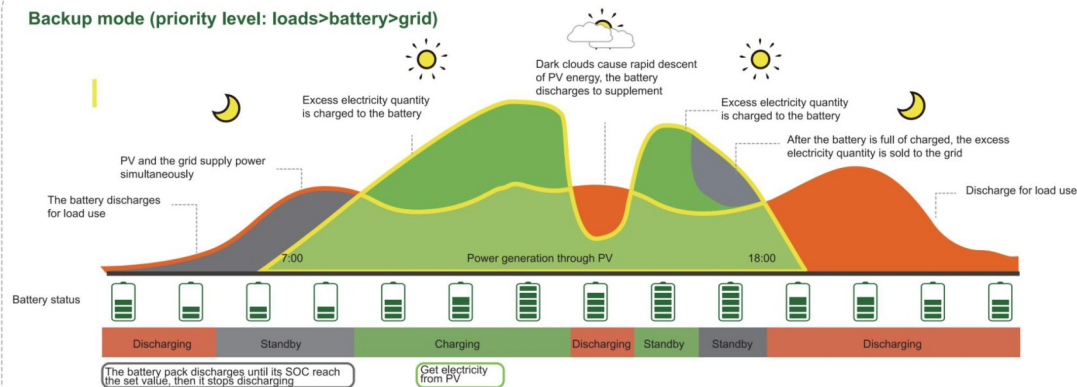
Modle Name	SKAT-8KS48P3		SKAT-10KS48P3	SKAT-12KS48P3
Battery input data				
Battery Type	Lithium or lead acid battery			
Rated battery voltage	48V			
Maximum charging voltage	≤60 (Configurable)			
Maximum charge/discharge current	190A	210A	250A	
PV input data				
Maximum DC input power	16000W	20000W	24000W	
Maximum DC input voltage	1000V			
MPPT Operating voltage range	200~800V			
Starting voltage	150V			
Maximum input current	18/18A	36/18A	36/18A	
MPPT number	2	2	2	
AC output parameters (On-Grid)				
Maximum output apparent power	8800W	11000W	13200W	
Rated output voltage	380/400V			
Rated output frequency	50/60Hz			
Max output current	13.3A	16.7A	20A	
Output power factor	1 (-0.8 leading~+0.8 lagging)			
AC output parameters(Off-Grid)				
Rated output apparent power	8000W	10000W	12000W	
Maximum output apparent power	>200%,15sec			
Rated output voltage	380/400V			
Rated output frequency	50/60Hz			
Max output current	13.3A	16.7A	20A	
Efficiency				
Max efficiency	98%			
Max efficiency	94.5%			
Europe efficiency	97.5%			
Protection				
PV input reverse polarity protection	Yes			
PV insulation resistance detection	Yes			
Residual current detection	Yes			
Output over current protection	Yes			
Output short circuit protection	Yes			
Output over voltage protection	Yes			
Basic data				
Operation temperature	-25°C~60°C (frequency-decreasing above 45°C)			
Storage temperature	-30~65°C			
Relative humidity	0~95%			
Working altitude	≤4000m (frequency-decreasing above 2000m)			
Cooling	Intelligent forced air cooling			
Noise	<55db			
Weight	38kg			
Dimensions (W*H*D)	475*683*256mm			
Protection class	IP66			
Topology	HF isolation(Battery side)			
Standard				
Safety standard/EMC standard	NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)			
Grid-connected standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other standard	IEC61683, IEC62116, EN50530, IEC60068			

Self-Use mode (Priority level: loads>battery>grid)



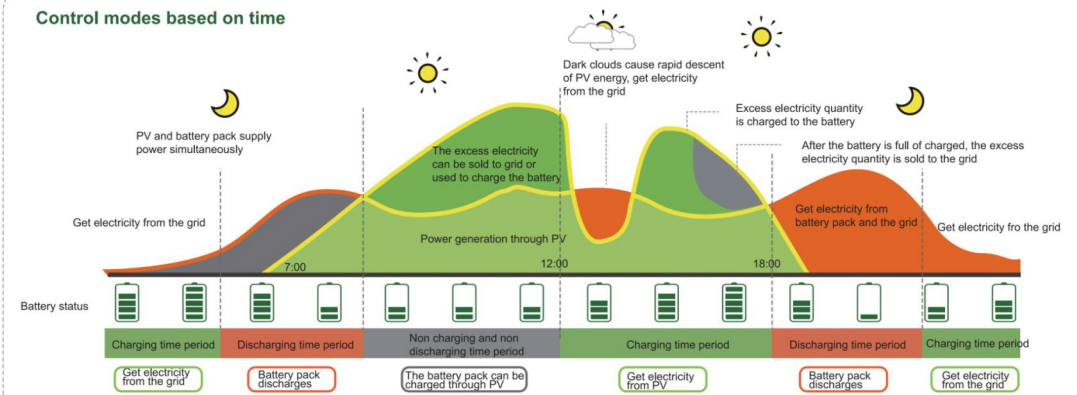
The self-use mode is suitable for areas with low self-to-grid subsidies and high electricity prices; when solar energy is sufficient, the electricity generated by the solar system will be supplied to the load first, and the remaining electricity will be stored in the battery, and then sold to the grid if electricity still remains. When there is insufficient solar energy, the battery releases electricity to supply the load. Increasing the rate of self-generation&self-consumption of solar system and household energy self-sufficiency can save electricity bills. In this mode, the grid does not charge the battery; it can also be set to prevent backflow (zero export) and not supply power to the grid.

Backup mode (priority level: loads>battery>grid)



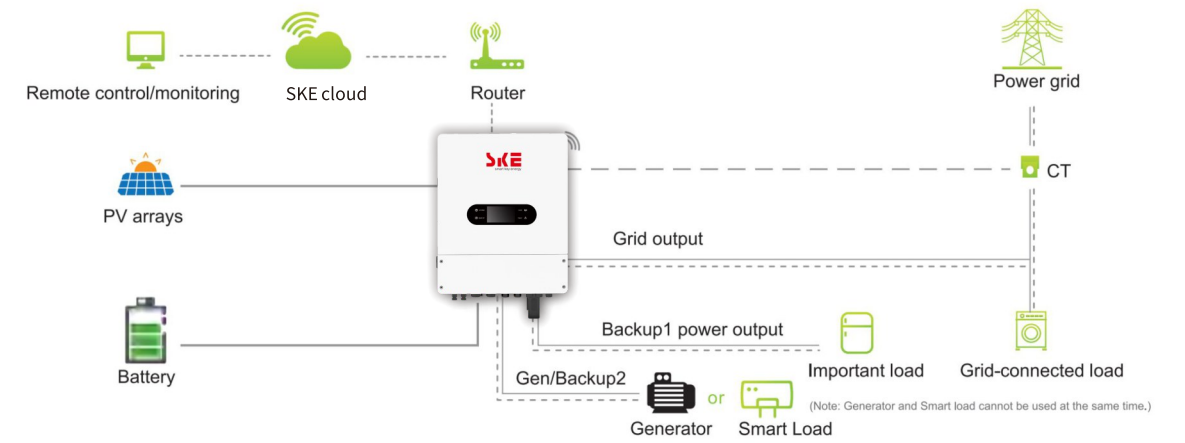
Backup Mode is suitable for areas with frequent power outages. This mode maintains the battery capacity at a relatively high level to ensure that emergency loads can be used when the grid is disconnected. In this mode, when the grid is connected, the battery stops discharging once it reaches the preset value of backup SOC. If the battery SOC drops below the backup threshold, the grid charges the battery once the grid existing (PV charging is priority to grid charging). If the battery SOC is above the backup threshold, only PV charging is allowed. When the grid is off, the electricity in the battery can be used.

Control modes based on time

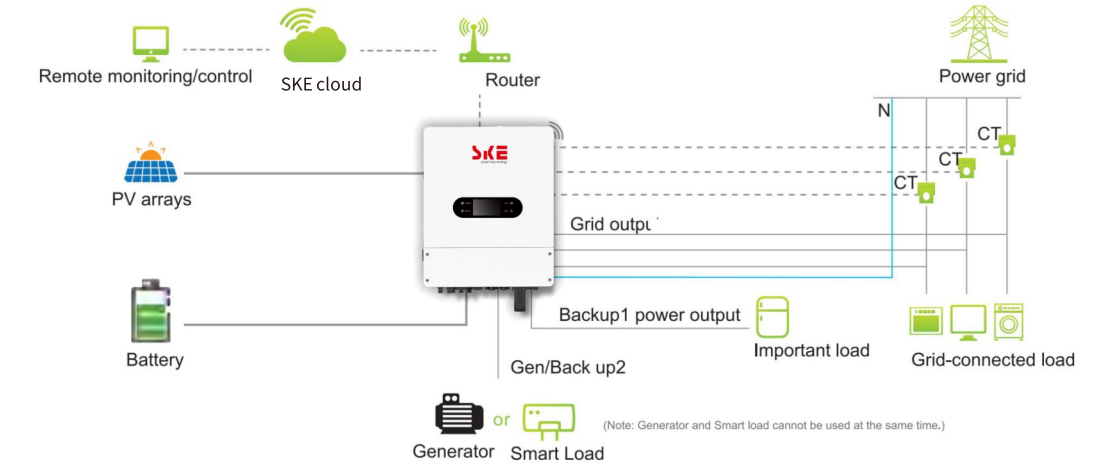


In this mode, charging and discharging periods can be set, while other time periods are as non-charging/non-discharging time periods. The excess power generated by PV module during the day can either be sold to the grid or used to charge the battery. The battery is charged during low electricity rate periods at night to decrease energy costs.

Single-Phase Design

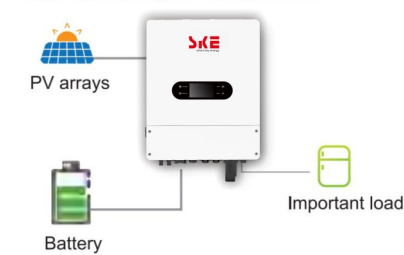


3-Phase System Design

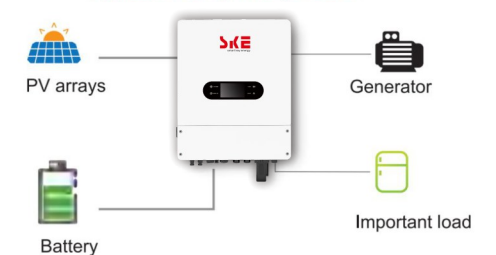


Off-Grid PV System Design

Application design with no generator



Application design with generator





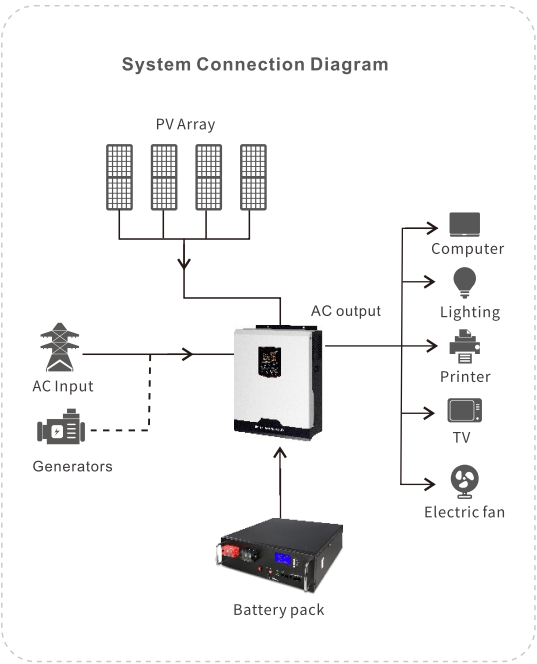
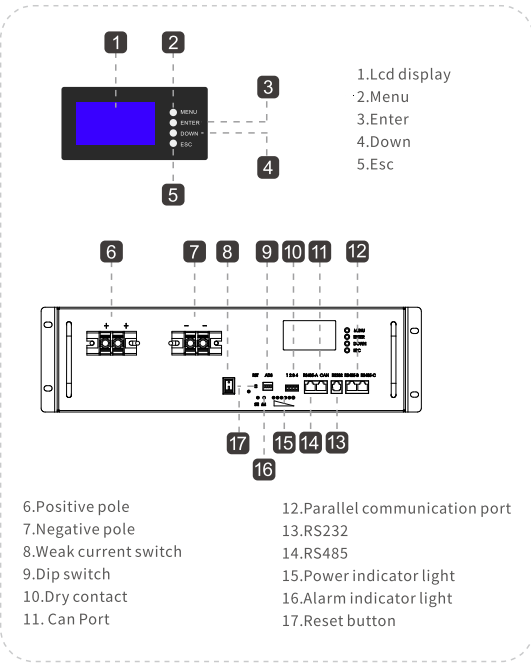
LIFEPO4 BATTERY PACK(48V/51.2V 100AH)

SK-RM4800/RM5120



Features:

- The system adopts high-quality lithium iron phosphate power cells to bring better performance and reliability.
- Each battery module unit is equipped with an independent high-performance BMS system to scientifically manage the cells.
- Supports multiple batteries connected in parallel for expansion use
- Support RS485/CAN communication, compatible with global mainstream inverters.
- The battery energy storage module adopts a standard 19-inch design, easy to install.
- Long cycle life, can reach 8000 times
- Wider temperature range: -20C~60C
- Widely used in a variety of applications like house, shop and office room etc..



Product overview



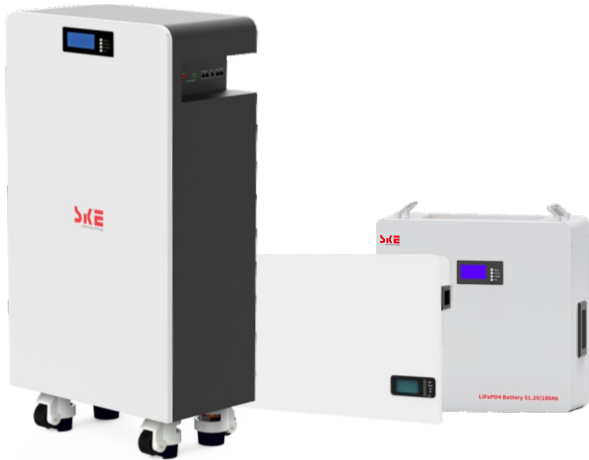
Model		SK-RM4800	SK-RM5120
Rated battery voltage		48V	51.2V
Electrical specification	Rated power	5000W	
	Nominal capacity	100Ah	
	Combination	15S1P	16S1P
	Cycle life	≥8000 cycles @80%DOD @35℃	
	Monthly self-discharge	3%/month	
	Charging efficiency	≥97%	
	Discharging efficiency	≥98%	
Charging standard	Recommended charging voltage	57.6V	
	Recommended charging current	20A	
	Maximum charging voltage	58.4V	
	Maximum charging current	100A	
Discharging standard	Recommended discharge current	50A	
	Maximum discharge current	100A	
	Discharge cut-off voltage	43.2V	
Physical	Dimensions(W*D*H)(mm)	442*440*133mm	
	Package size(W*D*H)(mm)	557*519*219mm	
	Net weight(kg)	45kg	
	Gross weight (kg)	49kg	
	IP protection	IP30	
	Shell material	Metal	
	Optional functions	Anti-theft, LCD	
Environment	Charging temperature range	0℃~45℃	
	Operating temperature range	-20℃~60℃	
	Storage temperature	0℃~40℃	
	Humidity	10% to 85% RH (NO condensing)	

*Product specifications are subject to change without further notice



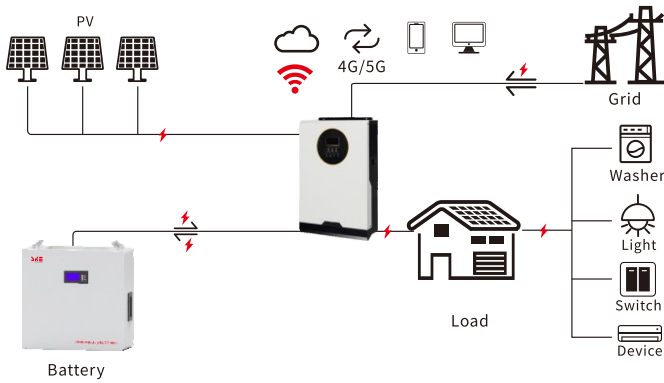
HOME ENERGY STORAGE SYSTEM

SK-BG Series



Features:

- Top brand A-grade LiFePO4 battery,super safe
- Support wall-mounted or floor-standing installation
- 5 years warranty,8000+ cycles
- Smart BMS perfectly matches solar system
- Support multiple battery packs in parallel
- Multiple communication protocols match 10+ brand inverters



Home Energy Storage System



Model		SK-BG3000	SK-BG5120	SK-BG10240	SK-ST15000
Rated battery voltage		25.6V	51.2V		
Electrical specification	Rated power	3000W	5000W	10000W	
	Nominal capacity	120Ah	100Ah	200Ah	300Ah
	Combination	8S1P	16S1P	16S2P	16S1P
	Cycle life	≥8000 cycles @80%DOD @35°C			≥10000 cycles @80%DOD @35°C
	Monthly self-discharge	3%/month			
	Charge efficiency	≥97%			
	Discharging efficiency	≥98%			
Charging standard	Recommended charging voltage	28.8V	57.6V		
	Recommended charging current	20A			40A
	Maximum charging voltage	29.2V	58.4V		
	Maximum charging current	120A	100A	200A	
Discharging standard	Recommended discharge current	50A			100A
	Maximum discharge current	100A			200A
	Discharge cut-off voltage	21.6V	43.2V		
Physical	Dimensions(W*D*H)(mm)	400*380*190	505*480*190	825*490*145	780*460*260
	Package size(W*D*H)(mm)	448*438*240	563*558*286	915*580*250	1100*540*410
	Net weight(kg)	35.5Kg	47Kg	80Kg±1Kg	115Kg ±2Kg
	Gross weight (kg)	41.5Kg	51Kg	86Kg±1Kg	138Kg ±2Kg
	Ip protection	IP30			
	Shell material	Metal			
	Optional functions	FULL GUARD			
Environment	Charging temperature range	0°C~45°C			
	Operating temperature range	-20°C~60°C			
	Storage temperature	0°C~40°C			
	Humidity	10% to 95% RH(NO condensing)			

*Product specifications are subject to change without further notice



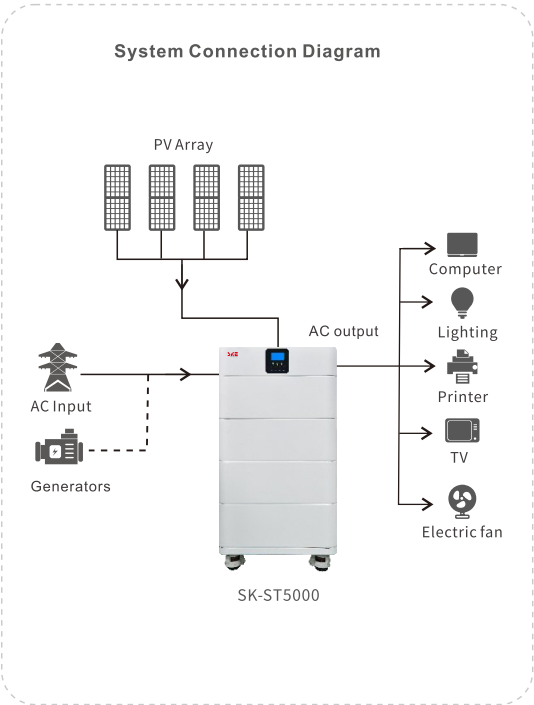
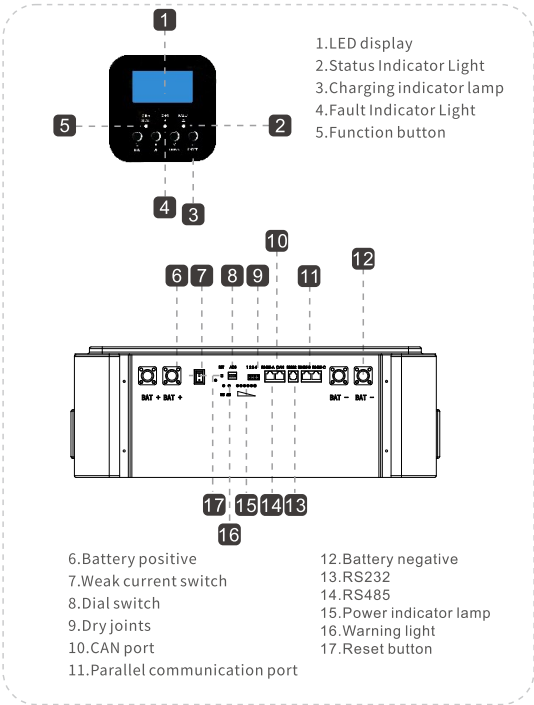
HOME ENERGY STORAGE SYSTEM

SK-ST5000



Features:

- Poweroutputfactor:(PF)1.0
- Pure sine wave,suitable for all kinds of load devices
- Built-in MPPT charger
- Batteryover-dischargingprotection,overload protection,
- over-temperature protection,short circuit protection function
- Cold start function
- Smart BMSmanagementsystem, multiple protection
- Bottom with wheel design, easy to move
- Built in Grade A LiFePO4 battery cell, bringbetter performanceand reliability



Product Overview

Specification

Model		SK-ST5000			
Inverter Features					
Inverter output	Rated power	5000W			
	Peak power	10000W			
	Waveform	Pure Sine Wave			
	AC voltage (Battery mode)	(220vac~240vac)±5%230vac(Default)			
	Inverter efficiency(Max)	93%			
	Transfer time	10ms(UPS);20ms(APL)			
	No load power consumption	<40W@48VDC			
AC Input	Voltage	230VAC			
	Selectable voltage range	170~280VAC(UPS)90~280VAC(APL)			
	Frequency range	50Hz/60Hz(Auto sensing)			
Solar charger & AC charger	Solar charger type	MPPT			
	MPPT Maximum PV Array power	6000W			
	MPPT output voltage range	60-450V			
	Maximum PV array open circuit voltage	500V			
	Maximum Solar charge current	80A			
	Maximum AC charge current	80A			
	Maximum charge current	80A			
Electrical characteristics of battery pack					
Battery pack	Rated battery voltage	51.2V			
	Rated power	5KWH	10KWH	15KWH	20KWH
	Nominal Capacity	100Ah	200Ah	300Ah	400Ah
	Combination	16S1P			
	Cycle life	≥8000 cycles @80%DOD @35°C			
	Monthly self-discharge	3%/month			
	Charging efficiency	≥97%			
	Discharging efficiency	≥98%			
Charging Standard	Recommended charging voltage	57.6V			
	Recommended charging current	20A	40A	60A	80A
	Maximum charging voltage	58.4V			
	Maximum charging current	100A			
Discharging Standard	Recommended discharging current	50A		100A	
	Maximum charging current	100A			
	Discharge cut-off voltage	43.2V			
Physical	Dimensions(W*D*H)(mm)	520*480*188mm	520*480*356mm	520*480*534mm	520*480*712mm
	Package size(W*D*H)(mm)	995*590*255mm			
	Net weight(kg)	46Kg	92Kg	138Kg	184Kg
	Gross weight(kg)	49Kg			
	IP Protection	IP30			
	Shell material	Metal			
	Optional functions	Anti-theft function			
Environment	Charging temperature range	0°C~45°C			
	Operating temperature range	-20°C~60°C			
	Storage temperature	0°C~40°C			
	Humidity	10%~85%RH(NO condensing)			
*Product specifications are subject to change without further notice					



SKEWG-8K/10K/12K/15K



Features:

- Double fire suppression system design
- Intelligent temperature control, High thermal management efficiency, Balanced heat dissipation, core temperature difference <5°C
- Pre-installed in factory for easy installation on site
- Easy to maintenance with AC/DC modular design
- 24H Cloud monitoring
- Easy & Flexible to scale (Max. 9 cabinets in parallel)

Applicable scenarios:

Medium-sized industrial and commercial places such as factories, shopping malls, islands, and other areas without basic power grids, weak power grids, or unstable electricity supply.



Specification

Model		SKEWG-8K	SKEWG-10K	SKEWG-12K	SKEWG-15K
Rated AC Power		8KW	10KW	12KW	15KW
Wiring Configuration		3 Phase 5 Wire			
PV Specification	Max. Input Power	12KW	15KW	18KW	22KW
	Max. Input Voltage	900Vdc	900Vdc	900Vdc	900Vdc
	MPPT Voltage Range	150Vdc~850Vdc	150Vdc~850Vdc	150Vdc~850Vdc	150Vdc~850Vdc
	Max. Current per MPPT	30A	36A	45A	54A
	Number of MPPT	2	2	2	2
	Number of Inputs per MPPT	2	2	2	2
Battery Specification	Nominal Energy	10kWh~60kWh Optional			
	Cell Type	LifePO4			
	Cell Parameter	100Ah 3.2V			
	Pack Configuration	16S1P*nP			
	Operating Voltage Range	40Vdc~60Vdc			
	Maximum Continuous Discharging Current	200A	220A	250A	300A
	Maximum Continuous Charging Current	160A	200A	240A	300A
PCS Specification	Rated AC Power	8kw	10kw	12kw	15kw
	Max. AC Power	8.8kw	11kw	13.2kw	16.5kw
	AC Output Format	TN			
	THDv	<3% (100% load)			
	Rated Grid Voltage	230Vac (P-N)/ 400Vac (P-P)			
	Grid Voltage Range	-20%~15%			
	Grid Power Factor	-1~+1			
	Rated Grid Frequency	50Hz/60Hz			
	Grid Frequency Range	47~52Hz/57~62Hz			
System Specification	IP Protection	IP65			
	Dimensions (W*H*D)	1100*1075*1900mm			
	Weight (kg)	98kg		105kg	
	Max. cycle efficiency	>=90%			
	C-rate	<=0.5C			
	Cycle life	>=6000			
	IP Protection	IP55			
	Auxiliary power supply	Self-powered and externally powered			
	Anti Backflow Function	YES (External Bi-directional Digital Meter)			
	Operating Temperature	-20°C~+55°C (>45°C)			
	Relative Humidity	0~100%			
	Max Altitude	4000 m (>2000 m derated)			
	Acoustic Noise	<70dB			
	Anti-corrosive grade	C3 (Standard) , C5 (Optional)			
	Cooling Method	AC; Smart Temperature Control			
	Fire Suppression System	Temperature Detector, Smoke Detector,Aerosol, audible and visual alarms			
	Certification	EMS	Support Web Server, Mobile APP, Remote monitoring		
Communication Protocol		4G Communication			
Grid-connected certification		EN50549-1			
Safety standard		EN/IEC 62109-1/2,IEC 62619,GB/T 36276			
	Others	EN/IEC 61000-6-1/2/3/4			
*Product specifications are subject to change without further notice					



SKYT-30K/50K



Features:

- Double fire suppression system design
- Intelligent temperature control, High thermal management efficiency, Balanced heat dissipation, core temperature difference <5°C
- Pre-installed in factory for easy installation on site
- Easy to maintenance with AC/DC modular design
- 24H Cloud monitoring
- Easy & Flexible to scale (Max. 9 cabinets in parallel)

Applicable scenarios:

Medium-sized industrial and commercial places such as factories, shopping malls, islands, and other areas without basic power grids, weak power grids, or unstable electricity supply.



Specification

Model		SKYT-30K	SKYT-50K
Rated AC Power		30KW	50KW
Wiring Configuration		3 Phase 5 Wire	
PV Specification	Max. Input Power	38.4KW	76.8KW
	Max. Input Voltage	850Vdc	850Vdc
	MPPT Voltage Range	200~800Vdc	200~800Vdc
	Max. Current per MPPT	64A	128A
	Number of MPPT	2	4
	Number of Inputs per MPPT	2	2
Battery Specification	Nominal Energy	60kwh	100kwh
	Cell Type	LifePO4	LifePO4
	Cell Parameter	100Ah 3.2V	280Ah 3.2V
	Pack Configuration	16S1P*12	16S1P*7
	Operating Voltage Range	320Vdc~820Vdc	350Vdc~820Vdc
	Maximum Continuous Discharging Current	100A	150A
PCS Specification	Maximum Continuous Charging Current	100A	150A
	Rated AC Power	30kw	50kw
	Max. AC Power	33kw	55kw
	AC Output Format	TN	
	THDv	<3% (100% load)	
	Rated Grid Voltage	230Vac (P-N)/400Vac (P-P)	
System Specification	Grid Voltage Range	-20%~15%	
	Grid Power Factor	-1~+1	
	Rated Grid Frequency	50Hz/60Hz	
	Grid Frequency Range	47~52Hz/57~62Hz	
	IP Protection	IP20	
	Dimensions (W*H*D)	1200*800*1700mm	
	Weight (kg)	255kg	455kg
	Max. cycle efficiency	>=90%	
	C-rate	<=0.5C	
	Cycle life	>=6000	
	IP Protection	IP55	
	Auxiliary power supply	Self-powered and externally powered	
	Anti Backflow Function	YES (Internal Bi-directional Digital Meter)	
	Operating Temperature	-20°C~+55°C (>45°C)	
	Relative Humidity	0~100%	
	Max Altitude	4000 m (>2000 m derated)	
	Acoustic Noise	<70dB	
	Anti-corrosive grade	C3 (Standard) , C5 (Optional)	
	Cooling Method	AC; Smart Temperature Control	
	Fire Suppression System	Temperature Detector, Smoke Detector, Aerosol, audible and visual alarms	
	EMS	Support Web Server, Mobile APP, Remote monitoring	
	Communication Protocol	4G Communication	
Certification	Grid-connected certification	EN50549-1	
	Safety standard	EN/IEC 62109-1/2, IEC 62619, GB/T 36276	
	Others	EN/IEC 61000-6-1/2/3/4	

*Product specifications are subject to change without further notice



PROJECT APPLICATION



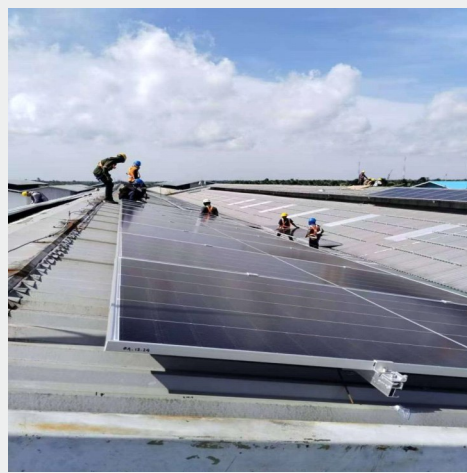
PROJECT APPLICATION



Indonesia Commercial Power Preparedness 2.15MWh



Thailand 1MW



Myanmar 1.5MW



Nigeria 10Kwh/10.2KW



Iraq 10Kwh/8.2KW



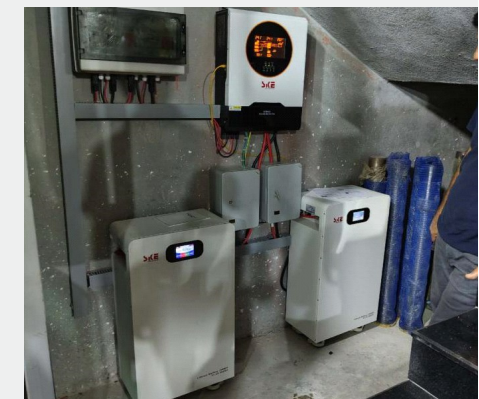
Vietnam 30Kwh/12.4KW



Zambia 5Kwh/6.2KW



Zambia 7.5Kwh/3.6KW



Iraq 30Kwh/ 10.2KW