



PRODUCT CATALOGUE

Inverter/ Lithium Battery/ Solar Charge



Our services

- Residential photovoltaic energy storage
- Commercial electric power storage
- Customized power storage solution for factories
- Customized solar power station project

Home Energy Storage

DPGAP.003
DPEDP.009
DPTP.011
DPGDP.015
DPECOP.017
DP1512/DP2024P.007

Small Commercial Electricity

DPUPS-UPSP.019
DP5H-IP54P.021
DPW48P1-IP66P.023

Large Commercial Electricity

DPW48P3P.025
DP5SP.037

Portable Energy Storage

DPMESP.027
DPMESLP.029
DPMESHP.031

Energy Storage Battery

DPSLFP.033
DPSLFHP.035

Factory Overall



DRPOWER is a high-tech enterprise dedicated to the research and development, production, and sales of solar inverters and energy storage systems. The company is committed to providing efficient and reliable new energy power solutions to global customers, assisting in the transition to green energy, and promoting sustainable development.

Efficient Production, Operation, Quality Control



**Intelligent
Manufacturing**

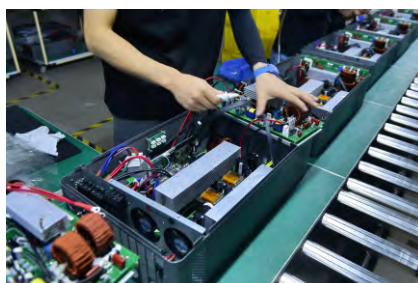
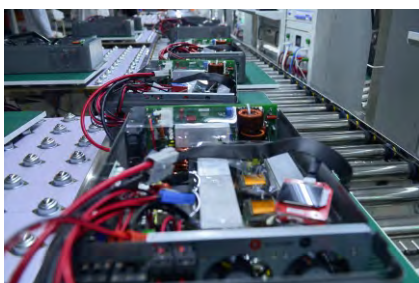


**Comprehensive
Professional Test**



Lean production

Automatic integrated production line, automatic SMT production line and automatic and digital quality control and management of manufacturing key sections: online AOI inspection, FCT, ATE, Aging test. R&D tests includes Islanding detection etc.





HYBRID SOLAR INVERTER DPGA



Built-in 160A
Solar Charger



Wide PV Input Voltage
Range 60-500V



Dual MPPTs
Input



45A
MAX PV Input

DUAL

Dual AC Out

BMS

Support Lithium/
Lead-acid Batter



Lithium Batter
Activation



5 Inch Display



Feed-in
to Grid



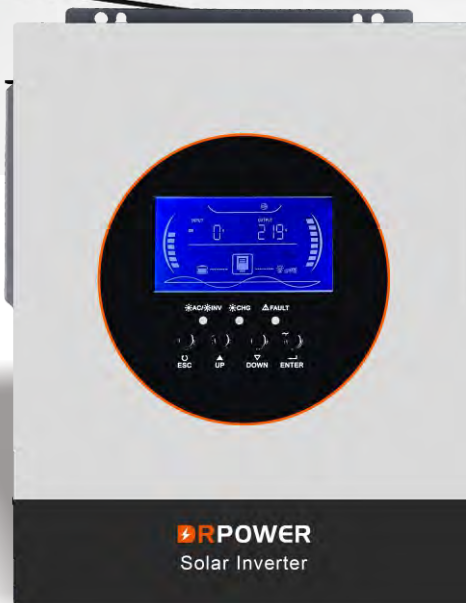
WiFi
Monitoring(optional)



MODEL	DPGA1200	DPGA3624	DPGA6248	DPGA12000
AC Input				
Rated Input Voltage (VAC)	208/220/230/240;L+N+PE			
Voltage Range (VAC)	90-280 (APP/GEN mode); 170-264 (UPS mode)			
Frequency (Hz)	50/60 (Auto Adaptive)			
AC Output				
Rated Capacity (kVA/kW)	1.2	3.6	6.5	12
Surge Power (kVA)	2.4	7.2	12	24
Voltage (VAC)	208/220/230/240			
Power Factor (PF)	1			
Frequency	50/60Hz±0.1%			
Switch Time (ms)	10 (APP/UPS/GEN mode)	10 (APP/UPS mode) / 20(GEN mode)		
Wave Form	Pure Sine Wave			
Overload Capacity (Battery Mode)	60s@102%-110% load; 10s@ > 110% load;			
Max. Efficiency (Battery Mode)	90%@12VDC	92.7%@24VDC	94%@48VDC	94%@48VDC
Parallel Quantity	NA			
Charger (PV/AC)				
Solar Charger Type	MPPT		Dual MPPT	
Max. PV input current / power	18A / 800W	18A / 5000W	27A / 9000W	Using One MPPT: 27A/9KWUsing Two MPPTs: 22.5A/Per MPPT, 15kW/Total
MPPT Range@Operating Voltage (VDC)	17-115	40-450	60-450	60-450
Max. PV Open Circuit Voltage (VDC)	115	500	500	500
Max. PV Charge Current (A)	50	100	120	160
Max. AC Charge Current (A)	50	100	120	160
Max. Charge Current (PV+AC) (A)	100	100	120	160
Battery				
Normal Voltage (VDC)	12	24	48	48
Floating Charge Voltage (VDC)	13.8	27	54	54
Overcharge Protection (VDC)	15	30.5	61	61
Battery Type	Lead-acid /Lithium			
Interface				
HMI	LCD			
Interface	RS232/RS485 (optional)/CAN (optional)			
Monitoring	WiFi (optional/built-in/external)			
General Data				
Ingress Protection	IP21			
Operating Temperature	-10 °C-60 °C			
Relative Humidity	5%-95% (Non-condensing)			
Storage Temperature	-15 °C-60 °C			
Net Weight (kg)	3.5	6.2	8.4	8.4
Dimensions (H"W*D)	301*217*97mm	420*284*94mm	410*336*110mm	495*425*120mm
Max. Operating Altitude	4000m (Derating above 1000m)			
Activation				
AC Activation	YES	/	/	/
PV Activation	YES	/	/	/



HYBRID SOLAR INVERTER PARALLEL DPGAB



Built-in 160A
Solar Charger



Wide PV Input Voltage
Range 60-500V



Dual MPPTs
Input



45A
MAX PV Input

DUAL

Dual AC Out

BMS

Support Lithium/
Lead-acid Batter



Lithium Batter
Activation



5 Inch Display



Feed-in
to Grid



WiFi
Monitoring(optional)



MODEL	DPGA6248B
AC Input	
Rated Input Voltage (VAC)	208/220/230/240;L+N+PE
Voltage Range (VAC)	90-280 (APP/GEN mode); 170-264 (UPS mode)
Frequency (Hz)	50/60 (Auto Adaptive)
AC Output	
Rated Capacity (kVA/kW)	6.5
Surge Power (kVA)	12
Voltage (VAC)	208/220/230/240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%-110% load; 10s@ > 110% load;
Max. Efficiency (Battery Mode)	94%@48VD
Parallel Quantity	9
Charger (PV/AC)	
Solar Charger Type	MPPT
Max. PV input current / power	27A / 9000W
MPPT Range@Operating Voltage (VDC)	60-450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	120
Max. AC Charge Current (A)	120
Max. Charge Current (PV+AC) (A)	120
Battery	
Normal Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lead-acid /Lithium
Interface	
HMI	LCD
Interface	RS232/RS485/CAN/Parallel Interace
Monitoring	WiFi (optional/built-in/external)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C-60 °C
Relative Humidity	5%-95% (Non-condensing)
Storage Temperature	-15 °C-60 °C
Net Weight (kg)	8.4
Dimensions (H*W*D)	410*336*110mm
Max. Operating Altitude	4000m (Derating above 1000m)
Activation	
AC Activation	/
PV Activation	/



LOW FREQUENCY INVERTER DP1512 / DP2024

- The no-load loss is small, less than half of that of high-frequency machines with the same power.
- 360-degree protection, with complete short circuit protection, over current protection, over under voltage protection, overload protection and other functions.
- Humanized alarm function and perfect online protection function, Ensure safe operation of the system in use, Automatic switching, Can realize unattended. Stable performance, Security and Reliable, long service life.
- Support connection of multiple types of energy storage batteries, including lead-acid batteries and lithium-ion batteries.
- LCD large screen dynamic flow chart design, easy to understand the system data and running state.
- Pure sinusoidal output, strong load capacity, low noise, high conversion efficiency.
- Built-in solar charging controller, high charging efficiency, To cope with special situations without mains.

MODEL	DP1512		DP2024
INPUT			
Input Sources	L+N+PE		
AC Input	220/230/240AC	220AC(standard)	
Input Voltage Range	154-264VAC±3V(APP Mode) 185-264VAC ±3V (UPS Mode)		
Frequency	50/ 60Hz (Auto Adaptive)		
OUTPUT			
Utility model			
Output Voltage	The output voltage is the same as the input frequency		
Output Frequency	The output frequency is the same as the input		
Inverter model			
Output Voltage	220VAC±10%		
Output Frequency	50Hz / 60Hz±1%		
Output Waveform	Sine Wave		
Rated Capacity	1200W	1600W	
Load Peak Ratio	(MAX)3:1		
Transfer Time	≤10ms（UPS Mode） /≤20ms (INV Mode)		
CHARGERS			
PV Charging Model	PWM		
MAX PV Input Power	800W	1600W	
MAX PV Input Voltage	50Vdc	105Vdc	
MPPT Tracking Range	15~50Vdc	30~105Vdc	
Best PV voltage	15~20Vdc	20~40Vdc	
MAX PV Charging Current	60A	60A	
MAX AC Charging Current	40A	30A	
Battery Charging Voltage	13.7Vdc	27.4Vdc	
BATTERY			
Battery Type	External lead-acid battery or water battery or lithium battery		
Battery Voltage	12Vdc	24Vdc	
PROTECTIVE FUNCTION			
Utility mode	Input overcurrent fuseless switch protection		
Inverter model	Overload protection,Short-circuit protection, Low-voltage protection, battery reverse polarity protection (fuse)		
STATUS DISPLAY			
LCD Display	Input /Output,Running Mode,Loads,Battery,PV etc		
LED Display	Power supply/inverter status,Charging status,fFault status		
Environments			
Operating Temperature	-10℃~50℃		
Humidity	20%~95%(Non-condensing)		
Storage Temperature	-15℃~50℃		
Noise	≤45db		



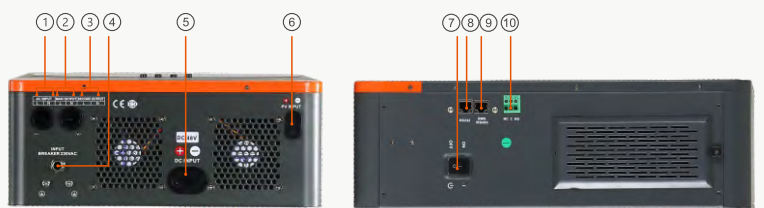
HIGH FREQUENCY SOLAR INVERTER DPED3024EMH / DPED6248EMH / DPED11048EMH

DPED series is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. It can run without battery.

The Maximum PV input voltage can reach 500V and MPPT voltage range is 90~500Vdc.

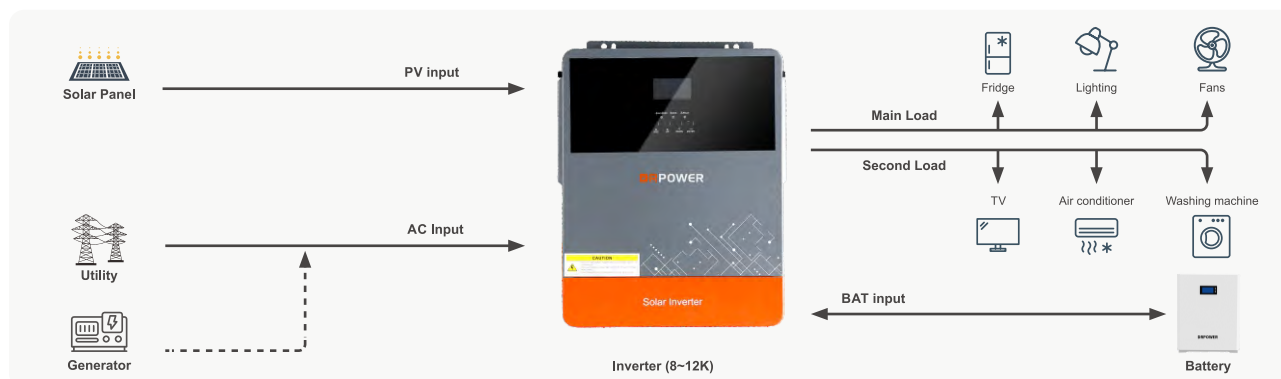


Back panel description



- | | | |
|---------------------|------------------|--------------|
| 1. AC input | 5. DC input | 9. BMS/RS485 |
| 2. Main AC output | 6. PV input | 10. NC C NO |
| 3. Second AC output | 7. ON / OFF | |
| 4. Input breaker | 8. RS232 / RS485 | |

Solar system connection



MODEL	DPED3024EMH	DPED6248EMH	DPED11048EMH
INPUT			
Input Sources	L+N+PE		
AC Input	220/230/240AC		
Input Voltage Range	90-280VAC±3V(Normal Mode) 185-264VAC ±3V (UPS Mode)		
Frequency	50/ 60Hz (Adaptive)		
Rated Power	3000W	6200W	11000W
OUTPUT			
Output Voltage	208/220/230/240 AC ±5%		
Output Frequency	50/60Hz±0.1%		
Output Wave	Pure Sine Wave		
Transfer Time (Adjustable)	10ms for Computer Equipment. 20ms for Household Equipment		
Peak Power	6000VA	12400VA	22000VA
Overload Ability	Battery Mode: 21s@102%~110% Load, 10s@110%~130% Load, 30s@130%~150% Load, 400ms@> 150% Load		
peak Efficiency (Battery Mode)	94%	98%	98%
BATTERY			
Rated Voltage	24V DC	48V DC	48V DC
Constant Charging Voltage(Adjustable)	56.4V DC		
Floate Charging Voltage Adjustable)	54V DC		
CHARGERS			
PV Charging Model	MPPT	MPPT	Dual MPPT
MAX PV Input Power	3000W	6200W	2*5500W
MPPT Tracking Range	40-450V DC	60-500V DC	90-500V DC
Best Voltage	300-400V DC		
MAX PV Input Voltage	500V DC		
MAX PV Input Current	13A	18A	18A
MAX PV Charging Current	100A	120A	150A
MAX AC Charging Current	60A	80A	120A
MAX Charging Current	100A	100A	150A
DISPLAY			
LCD Display	Display Running ModelLoads/nput/Output etc.		
INTERFACE			
RS232	Baud Rated 2400		
Communication Port	Lithium Battery BMS Communication Card Wifi Card, Dry Contact		
Parallel Conect Interface	None		
ENVIRONMENTS			
Operating Temperature	From -10°C to 55°C		
Humidity	20%-95% (Non-condensing)		
Storage Tempeture	From -15°C to 60°C		
Altitude	Altitude Not Over 1000m, Derating over 1000m, Max 4000m, Refer to IEC62040		
Noise	≤50db		
Package Size (mm)	512*420*207	512*420*207	737*473*272
Gross weight (KG)	10	11	22



ENERGY STORAGE SYSTEM (SOLAR INVERTER)

DPT

- Touchscreen color display with intuitive parameter display
- Enhanced inverter output power under photovoltaic operation
- Standard dual AC voltage supply for full power output
- Stylish ambient lighting indicates inverter operating status
- Higher photovoltaic utilization when photovoltaic power is supplemented by mains power
- Equipped with EMI filtering technology for strong anti-interference



Touch Screen

MODEL	DPT3624SMH		DPT6248SMH	DPT11048SMH
INPUT				
Input Sources	L+N+PE			
AC Input	220/230/240AC			
Input Voltage Range	90-280VAC±3V(Normal Mode) 170-280VAC ±3V(UPS Mode)			
Frequency	50/ 60Hz (Adaptive)			
OUTPUT				
Battery Rated Power	3600W	6200W	11000W	
PV Rated Power	4500W	6500W	12000W	
Output Voltage	208/220/230/240 AC ±5%			
Output Frequency	50/60Hz±0.1%			
Output Wave	Pure Sine Wave			
Transfer Time (Adjustable)	10ms for Computer Equipment. 20ms for Household Equipment			
Peak Power	7200VA	12400VA	22000VA	
Overload Ability	Battery Mode: 11s@105%~150% Load, 2s@150%~200% Load, 400ms@>200% Load,			
GRID-CONNECTED OPERATION				
Output Power	220/230/240VAC			
Feed-in grid voltage range	170-265VAC			
Feed-in grid frequency range	49-51±1Hz/59-61±1Hz			
Nominal output current	15.7A	26.9A	47.8A	
Power factor range	>0.99			
Maximum conversion efficiency (DC/AC)	98%			
BATTERY				
Rated Voltage	24V DC	48V DC	48V DC	
Constant Charging Voltage(Adjustable)	28.2V DC	56.4V DC	56.4V DC	
Floate Charging Voltage Adjustable)	27V DC	54V DC	54V DC	
CHARGERS				
PV Charging Model	MPPT	MPPT	Dual MPPT	
MAX PV Input Power	6500W	8500W	2*7500W	
MPPT Tracking Range	60-500V DC	60-500V DC	90-500V DC	
Best Voltage	300~400V DC	360~430V DC	360~430V DC	
MAX PV Input Voltage	500V DC	500V DC	500V DC	
MAX PV Input Current	27A	27A	27A / 27A	
MAX PV Charging Current	120A	120A	150A	
MAX AC Charging Current	100A	100A	150A	
MAX Charging Current	120A	120A	150A	
DISPLAY				
LCD Display	Can Display Running Model/Loads/Input/Output etc.			
INTERFACE				
RS232	Baud Rated 2400			
Communication Port	Lithium Battery BMS Communication Card Wifi Card, Dry Contact			
Parallel Conect Interface	No	YES	YES	
ENVIRONMENTS				
Operating Temperature	From -10°C to 55°C			
Humidity	20%-95% (Non-condensing)			
Storage Tempeture	From -15°C to 60°C			
Altitude	Altitude Not Over 1000m, Derating over 1000m, Max 4000m, Refer to IEC62040			
Noise	≤50db			
Package Size (mm)	483x313x143			570.8x471x148.2
Gross weight (KG)	7.5	8.5	19.3	

THREE-PHASE HIGH FREQUENCY SOLAR INVERTER DPED11048EMHB



11100W | PV500V | 150A | Dual out | On-Grid

DPED11048EMHB is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. It can run without battery.

The Maximum PV input voltage can reach 500V and MPPT voltage range is 90~500Vdc.



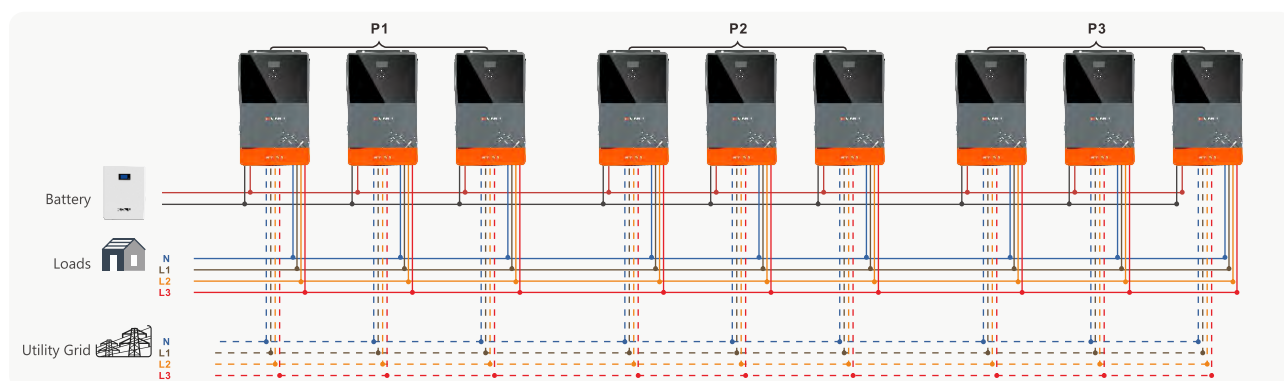
- Rounded corner design, exquisite appearance
- Multiple parameters can be adjusted according to user needs to adapt to different occasions
- Minimum PV Voltage 30V, more cost-effective to use
- Support lithium battery communication, external WIFI, generator self-start dry contact function
- Real-time display of actual load power greatly improves user perception
- Pure sine wave output, can adapt to different loads
- Output short-circuit protection function
- Power factor=1

Back panel description



- | | | |
|--------------|------------------|------------------------|
| 1. AC input | 5. DC input + | 9. BMS/RS485 |
| 2. AC output | 6. DC input - | 10. NC C NO |
| 3. PV input | 7. ON / OFF | 11. AC input switch |
| 4. ⚡ line | 8. RS232 / RS485 | 12. Parallel interface |

Parallel operation in 3 phase nine inverters in parallel power connection



MODEL	DPED11048EMHB
INPUT	
Input Sources	L+N+PE
AC Input	220/230/240AC
Input Voltage Range	90-280VAC $\pm$ 3V(Normal Mode) 185-264VAC $\pm$ 3V (UPS Mode)
Frequency	50/ 60Hz (Adaptive)
Rated Power	11000W
OUTPUT	
Output Voltage	208/220/230/240 AC $\pm$ 5%
Output Frequency	50/60Hz $\pm$ 0.1%
Output Wave	Pure Sine Wave
Transfer Time (Adjustable)	10ms for Computer Equipment. 20ms for Household Equipment
Peak Power	22000VA
Overload Ability	Battery Mode: 21s@102%~110% Load, 10s@110%~130% Load, 30s@130%~150% Load, 400ms@>150% Load
peak Efficiency (Battery Mode)	98%
BATTERY	
Rated Voltage	48V DC
Constant Charging Voltage(Adjustable)	56.4V DC
Floate Charging Voltage Adjustable)	54V DC
CHARGERS	
PV Charging Model	Dual MPPT
MAX PV Input Power	2*5500W
MPPT Tracking Range	90-500V DC
Best Voltage	300-400V DC
MAX PV Input Voltage	500V DC
MAX PV Input Current	18A
MAX PV Charging Current	150A
MAX AC Charging Current	120A
MAX Charging Current	150A
DISPLAY	
LCD Display	Display Running ModelLoads/nput/Output etc.
INTERFACE	
RS232	Baud Rated 2400
Communication Port	Lithium Battery BMS Communication Card Wifi Card, Dry Contact
Parallel Conect Interface	YES (Up to 6 Units)
ENVIRONMENTS	
Operating Temperature	From -10°C to 55°C
Humidity	20%-95% (Non-condensing)
Storage Tempeture	From -15°C to 60°C
Altitude	Altiude Not Over 1000m, Derating over 1000m, Max 4000m, Refer to IEC62040
Noise	$\leq$ 50db
Package Size (mm)	737*473*272
Gross weight (KG)	22



HIGH FREQUENCY SOLAR INVERTER DPGD4500 / DPGD6500 / DPGD11000

DPGD series is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support in portable size. It can run without battery.

The Maximum PV input voltage can reach 500V and MPPT voltage range is 90~500Vdc.

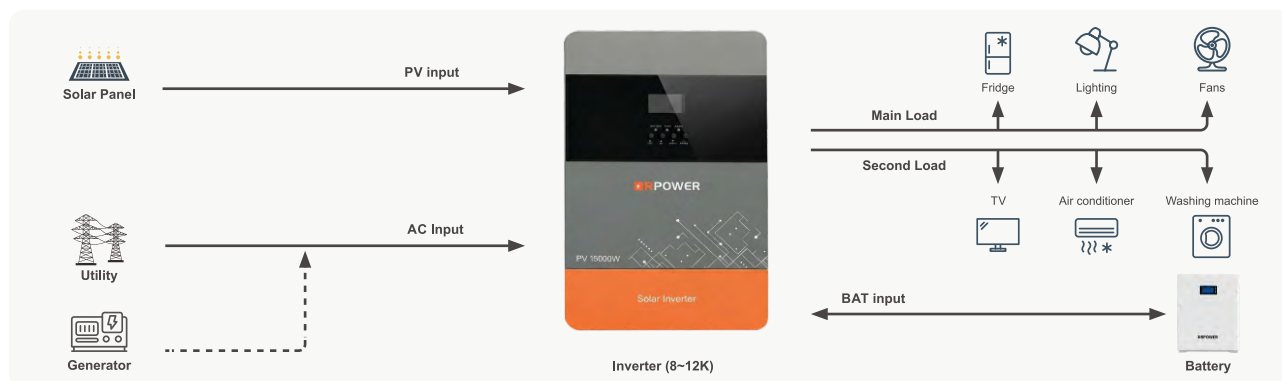


Back panel description



- | | | |
|--------------|------------------|---------------------|
| 1. AC input | 5. DC input + | 9. BMS/RS485 |
| 2. AC output | 6. DC input - | 10. NC C NO |
| 3. PV input | 7. ON / OFF | 11. AC input switch |
| 4. ⚡ line | 8. RS232 / RS485 | |

Solar system connection

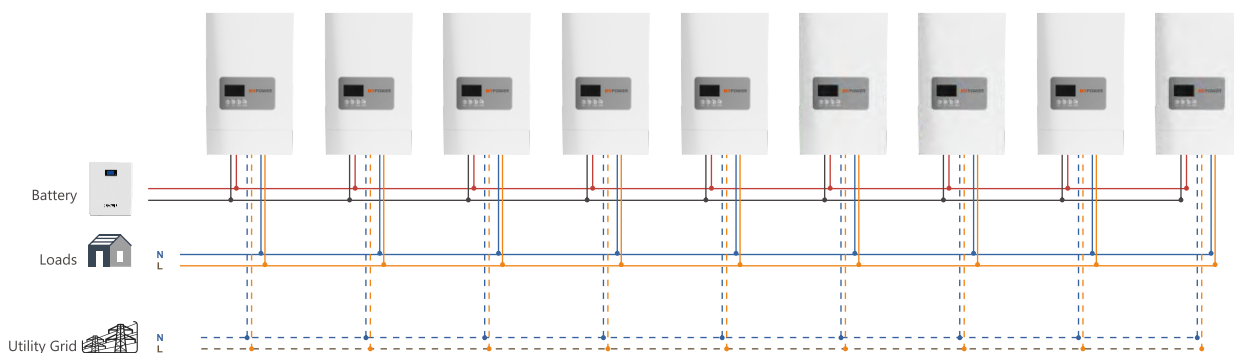


MODEL	DPGD4500		DPGD6500	DPGD11100
INPUT				
Input Sources	L+N+PE			
AC Input	220/230/240AC			
Input Voltage Range	90-280VAC±3V(Normal Mode) 170-280VAC ±3V			
Frequency	50/ 60Hz (Adaptive)			
OUTPUT				
Battery Rated Power	4500W	6500W	11000W	
PV Rated Power	6500W	8500W	15000W	
Output Voltage	208/220/230/240 AC ±5%			
Output Frequency	50/60Hz±0.1%			
Output Wave	Pure Sine Wave			
Transfer Time (Adjustable)	10ms for Computer Equipment. 20ms for Household Equipment			
Peak Power	8000VA	12400VA	22000VA	
Overload Ability	Battery Mode: 11s@105%~150% Load, 2s@150%~200% Load, 400ms@>200% Load,			
GRID-CONNECTED OPERATION				
Output Power	220/230/240VAC			
Feed-in grid voltage range	170-265VAC			
Feed-in grid frequency range	49-51±1Hz/59-61±1Hz			
Nominal output current	26.9A			
Power factor range	17.4A	>0.99	47.8A	
Maximum conversion efficiency (DC/AC)	98%			
BATTERY				
Rated Voltage	24V DC	48V DC	48V DC	
Constant Charging Voltage(Adjustable)	28.2V DC	56.4V DC	56.4V DC	
Floate Charging Voltage Adjustable)	27V DC	54V DC	54V DC	
CHARGERS				
PV Charging Model	MPPT	MPPT	Dual MPPT	
MAX PV Input Power	6500W	8500W	2*7500W	
MPPT Tracking Range	60-500V DC	60-500V DC	90-500V DC	
Best Voltage	300~400V DC	360~430V DC	360~430V DC	
MAX PV Input Voltage	500V DC	500V DC	500V DC	
MAX PV Input Current	27A	27A	27A / 27A	
MAX PV Charging Current	120A	120A	150A	
MAX AC Charging Current	100A	100A	150A	
MAX Charging Current	120A	120A	150A	
DISPLAY				
LCD Display	Display Running ModelLoads/nput/Output etc.			
INTERFACE				
RS232	Baud Rated 2400			
Communication Port	Lithium Battery BMS Communication Card Wifi Card, Dry Contact			
Parallel Conect Interface	No	YES	YES	
ENVIRONMENTS				
Operating Temperature	From -10°C to 55°C			
Humidity	20%-95% (Non-condesing)			
Storage Tempeture	From -15°C to 60°C			
Altitude	Altitude Not Over 1000m, Derating over 1000m, Max 4000m, Refer to IEC62040			
Noise	≤50db			
Package Size (mm)	GA:495x312x125 GL:495x312x146			GA/GD:570.8x471x148.2
Gross weight (KG)	7.5	8.5	19.5	

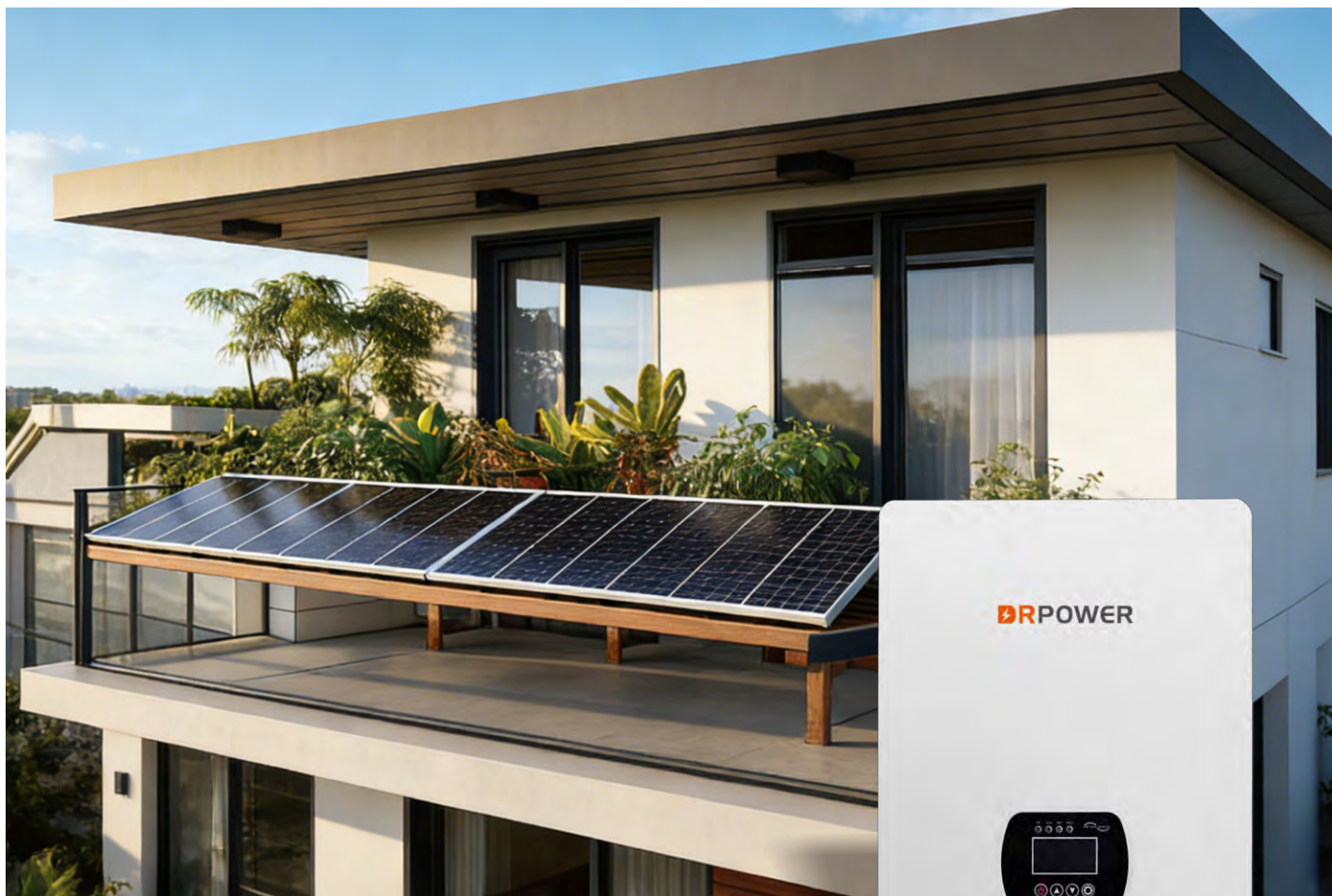


HYBIRD INVERTER PARALLEL 120V/230V/380V DPECO

- Parallel operation with up to 9 units



MODEL	DPECO-3K12V-HV		DPECO-4.5K24V-HV	DPECO-5.5K48V-HV	DPECO-6.5K48V-HV	DPECO-4K24V-LV
Max PV Input Power	3500W		5000W	6500W	7000W	4500W
Rated Output Power	3000W		4500W	6000W	6500W	4000W
Max Charging Power	3000W		4500W	6000W	6500W	4000W
PV INPUT(DC)						
Nominal DC Voltage / Max DC Voltage	360 VDC/ 450 VDC				210 VDC/ 300 VDC	
Start-up Voltage	55 VDC					
MPPT Voltage Range	60 VDC~430 VDC					
Number of MPPT / Max Input Current	1/ 20A					
MPPT Efficiency	> 99%					
GRID-TIE OPERATION						
GRID-TIE OUTPUT (AC)						
Nominal Output Voltage	230 VAC				120 VAC	
Output Voltage Range	170~264 VAC / 90~264 VAC				90~140 VAC	
Nominal Output Current	13A	20A	24A	28A	33A	
Power Factor	> 0.99					
THDi	< 3%					
EFFICIENCY						
Max Conversion Efficiency(DC/AC)	93%(Battery To AC) /97%(PV To AC)					
OFF-GRID,HYBRID OPERATION						
AC INPUT						
AC Start-up Voltage / Auto Restart Voltage	170 VAC/ 180 VAC				90 VAC/ 100 VAC	
Acceptable Input Voltage Range	170~264 VAC / 90~264 VAC				90~140 VAC	
Max AC Input Current	15A	25A	30A	33A	40A	
BATTERY MODE OUTPUT (AC)						
Nominal Output Voltage	230 VAC				120 VAC	
Output Rating Power	3000W	4500W	5500W	6500W	4000W	
Surge Power	4500W	6750W	8250W	9750W	6000W	
Transfer Time	< 10ms					
Output Waveform	Pure sine wave					
THDv	< 3%					
Efficiency (DC to AC)	92%					
BATTERY & CHARGER						
Nominal DC Voltage	12VDC	24VDC	48VDC	48VDC	24VDC	
Max PV Charging Current	150A	150A	100A	110A	150A	
Max AC Charging Current	150A	120A	80A	90A	100A	
Max Charging Current	150A	150A	100A	110A	150A	
GENERAL						
PHYSICAL						
Dimension,D xW xH(mm)	100*262*430					
Net Weight (kgs)	8	8	8.5	9	8	
INTERFACE						
Upper computer communication port	RS-485					
WIFI communication port	RS-485					
BMS communication port	RS-485					
ENVIRONMENT						
Humidity	0~90% RH (Non-condensing)					
Operating Temperature	-10 to 50					
OTHER						
	Pure sine wave solar inverter					
	Selectable input voltage range for homeappliancesand personal computers					
	Configurable AC/Solar input priority via LCD setting.					
	Compatible to mains voltage or generator power					
	Built-in BMS communication port					
	Smart battery charger design for optimized batteryperformance					
	Wide PVinput voltage range 55VDC~450VDC					



HYBRID SOLAR INVERTER WITH UPS DPUPS

- Power frequency energy-saving transformer, full-bridge pure sine wave output, low loss and high efficiency;
- Three Modes Free switching , mains priority/power saving mode/photovoltaic priority settable, flexible application
- It has two working modes: mains bypass and inverter output, and has UPS uninterruptible power supply;
- Built-in MPPT solar controller (30-60A)
- LCD+LED dual display, you can know the operating status of the system at any time, and the data is clear at a glance;
- Efficient and intelligent, remote control, unattended function;
- Supports multiple communication interface options, remote monitoring (RS232/mobile APP (WIFI/GPRS))

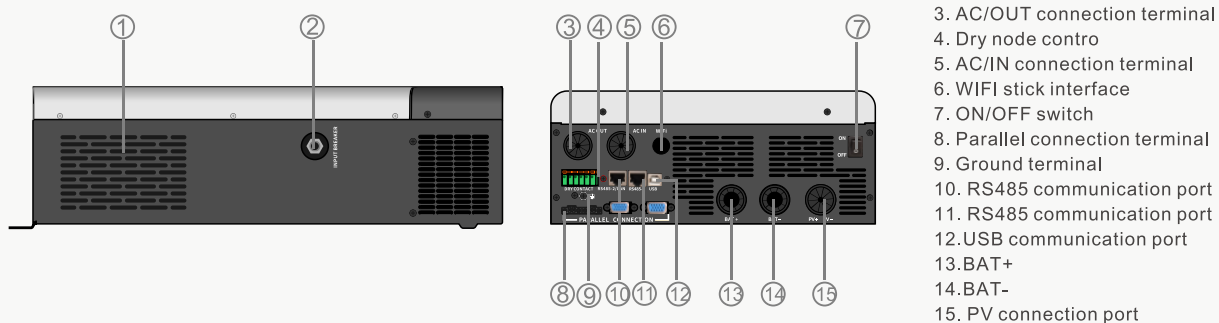
MODEL	DPUPS50112/24	DPUPS10224/48	DPUPS30224/48	DPUPS50248	DPUPS80248
RATED POWER (W)	500W	1000W	3000W	5000W	8000W
Peak power (ms)	1200W	2400W	9000W	15000W	19200W
Nominal battery voltage (Vdc)	12V	24V/48V	24V/48V	48V	48V
Installation method	Wall-mounted				
Built-in solar controller charging current (optional)	MPPT:30-60A(12VSystem) 30-60A(24VSystem) 60A(48VSystem)				
Machine Size (L*W*H mm)	440*380*230	440*380*230	530*260*200	530*260*200	665*465*186
Package Size(L*W*H mm)	460*400*250	460*400*250	540*400*200	540*400*200	685*485*206
Net Weight(kg)	8.5Kg	10.5Kg	23.5Kg	29.5Kg	46Kg
Gross Weigt(kg)(Carton package)	10.2Kg	12.2Kg	25.6Kg	32.5Kg	54.5Kg
INPUT					
Battery input voltage range	10.5V-15V(Single battery voltage)				
Input phase system	L+N+PE				
AC input voltage range	85-135Vac/165-265Vac				
AC input frequency range	40-65HZ				
Mains low voltage to battery	85Vac/165Vac±5%				
Mains power low voltage restored	95Vac/175Vac±5%				
Mains high voltage to battery	135Vac/265Vac±5%				
Mains high voltage restored	125Vac/255Vac±5%				
OUTPUT					
Output phase system	L+N+PE				
The output voltage	110Vac/120Vac/220Vac/230Vac/240Vac±5(Inverter mode)				
AC frequency	50/60Hz±1% (Inverter mode)Mains automatic tracking and synchronization				
Output waveform	pure sine wave				
Inverter no-load loss	≤20W				
Inverter efficiency	≥90%(88% resistive load)				
Mains efficiency	≥99%(No charging status)				
Harmonic distortion	THD≤3% (resistive load)				
OPERATING MODE					
Mains power priority	National grid power supply Priority, and automatically switch to inverter (battery)				
	state when the power grid fails.				
Energy saving mode	When no load is detected in the inverter state, it automatically switches to sleep state				
	(to save reserve power) and is suitable for special scenarios				
Solar energy first	Photovoltaic power generation priority. When photovoltaic power generation is insufficient,				
	it will automatically transfer to the mains power supply.				
	When photovoltaic power is restored, it will automatically transfer to photovoltaic priority power supply				
Built-in solar controller charging current (optional)					
Charging mode	MPPT				
Controller current	MPPT:12-48V 30-100A				
Photovoltaic input voltage range	12VSystem:18-50V; 24VSystem:36-80V; 48VSystem:72-110V.				
Maximum photovoltaic input power MPPT	MPPT:(12VSystem)30A/360W;60A720W; (24VSystem)30A/720W;60A/1500W; (48VSystem)60A/3200W;≤3W				
Conversion efficiency	MPPT≥98%				
OTHER					
Battery input	Lead-acid, gel, AGM battery custom settings,Lithium battery (factory set)				
Protective function	Overvoltage, undervoltage, overload, short circuit, overtemperature, overcurrent, surge, etc.				
Panel display	LCD+LED				
Heat dissipation method	Forced air cooling				
conversion time	≤4ms(Typical load)				
Communication (optional)	RS232/RS485/Mob APP(WIFI/GPRS)				
ENVIRONMENT					
Operating temperature	-10°C~40°C				
Storage temperature	-15°C~60°C				
Altitude	2000m)Derating is required if the amount exceeds the limit.)				
Noise	≤65dB				
Relative humidity	0%~95% ,No condensation				

Solar Inverter Waterproof DPSH-6.2K / 12K-48V-EU

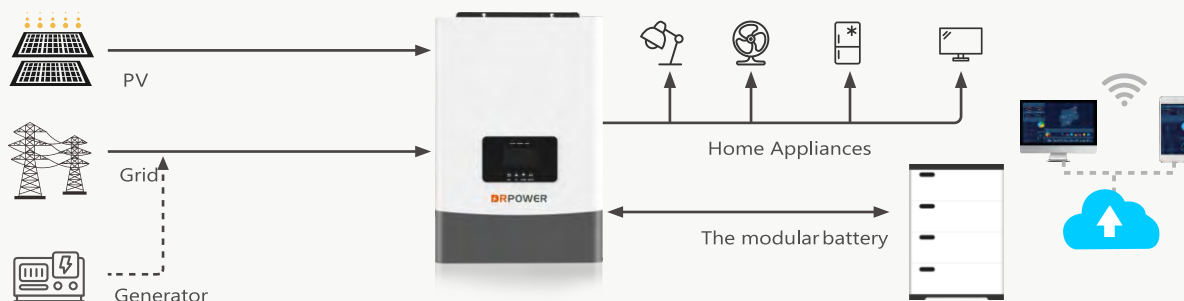


- Features segmented charging and discharging.
- Anti backflow grid connection function (photovoltaic mixed power supply), can set grid connection mode.
- Supports use without battery. Solar energy and mains power can supply power to load devices together.
- Equipped with energy-saving mode functions, reducing no-load losses.
- There are 4 charging modes to choose from: solaronly, mains priority, solar priority, and hybrid charging.
- Equipped with dual activation function of lithium battery, it can be triggered by connecting either mains or photovoltaic power source.
- It has two output modes: mains bypass and inverter output, and has uninterrupted power supply function.
- It provides complete protection against short-circuit, over-voltage, under-voltage, overload, and backflow, ensuring 360° safety.
- Adopting fully digital voltage and current dual closed-loop control, advanced SPWM technology, and outputting pure sine waves.
- Enables remote monitoring and management via WiFi or GPRS

Interface Description



Solar System Connection



MODEL	DPSH-6.2K-48V-EU		DPSH-12K-48V-EU	
Parallel mode				
Permitted parallel number	1~6			
AC mode				
Rated input voltage	230Vac ±5%			
Input voltage range	170-280VAC (UPS mode); 90-280VAC (family mode)			
Frequency	50Hz/60Hz (Auto detection)			
Frequency Range	47±0.3Hz~55±0.3Hz (50Hz); 57±0.3Hz~65±0.3Hz (60Hz);			
Overload/short circuit protection	Circuit breaker			
Efficiency	>95%			
Conversion time	>10ms			
AC reverse protection	Yes			
Maximum bypass overload current	40A		60A	
Inverter mode				
Output voltage waveform	Pure sine wave			
Rated output power (VA/W)	6200VA/6200W		12000VA/12000W	
Power factor	1			
Rated output voltage (Vac)	230Vac			
Output voltage error	±5%			
Output frequency range (Hz)	50Hz±0.3Hz/60Hz±0.3Hz			
Maximum Efficiency	>92%		>93%	
Overload protection	(102% < load < 125%) ±10%: report error and turn off the output after 5 minutes; (125%< load < 150%)± 10%: report error and tur off the output after 10 seconds; Load>150% ±10%: report error and turn off the output after 5 seconds;			
Peak power	12000VA		24000VA	
Loaded motor capability	4HP		8HP	
Output short circuit protection	Circuit breaker			
Bypass circuit breaker specification	40A		63A	
Rated battery input voltage	48V (Minimum starting voltage 44V)			
Battery voltage range	40.0vdc-60vdc±0.6Vdc (Undervoltage alarm/shutdown voltage/ overvoltage alarm /overvoltage recovery... settable on LCD screen)			
Power saving mode self-consumption	Load≤25W		Load≤50W	
AC charging				
Battery type	Lead acid or lithium battery			
Maximum charge current(can be set)	80A		150A	
Charge current error	±5Adc			
Charge voltage range	40~60Vdc			
Short circuit protection	Circuit breaker and blown fuse			
Circuit breaker specifications	40A		63A	
PV charging				
MPPT way	1		2	
Maximum PV open circuit voltage	500Vdc			
PV operating voltage range	120Vdc~500Vdc			
MPPT voltage range	90Vdc~450Vdc			
Battery voltage range	40-60Vdc			
Maximum PV input power	6200W		6000W*2	
Maximum PV input current	22A		22A+22A	
Charging short circuit protection	Blown fuse			
Wiring protection	Reverse polarity protection			
Hybrid Max charging current specifications(AC+PV)				
Max charging current(can be set)	0-100A		0-150A	
Certified specifications				
Certification	CE(IEC62109-1,2), UL1741			
EMC certification level	EN61000-6-1, EN61000-6-3,FCC 15 class B			
Operating temperature range	-10°C to 55°C			
Storage temperature range	-25°C ~ 60°C			
Humidity range	% to %(Conformal coating protection)			
Noise	≤60dB			
Protection Degree	IP54			
Heat dissipation	Forced air cooling, variable speed of fan			
Communication interface	USB/RS/(WiFi/GPRS)/ Dry node control			
Product Size/Packaging Size (L*W*D)	456*300*125mm/520*360*190mm		579*353*147mm/620*505*205mm	
Net Weight (kg)	10		19.5	
Optional function				
Parallel function	☐ Yes		☐ No	
WIFI function	☐ Yes		☐ No	
Grid anti backflow CT	☐ Yes		☐ No	



Solar Inverter Waterproof DPW48P1



Battery Charging &
Discharging
Current up to 120 A



Off-grid Peak Power
up to twice of power
(15 s)



Switching as Uninter-ruptible
Power Supply Transfer
within 10 ms



Supports Lead-acid,
Lithium, and Other Batteries,
Compatible with
Cost-effective Solutions
for Differ-ent Markets

MODEL	DPW48P1-3kW	DPW48P1-4kW	DPW48P1-5kW	DPW48P1-6kW	DPW48P1-8kW
Battery Input Parameters					
Battery Type	Lithium or Lead-acid Battery				
Rated Battery Voltage (V)	48V				
Maximum Charging Voltage (V)	≤60V(configurable)				
Maximum Charging/Discharging Current (A)	75A	100A	120A	120A	190A
PV Input Parameters					
Maximum DC Input Power (W)	6000W	8000W	10000W	12000W	16000W
Maximum DC Input Voltage (V)	500V				
Operating Voltage Range (V)	150~450V				
Start-up Voltage (V)	125V				
Maximum Input Current (A)	18A	18A/18A	18A/18A	18A/18A	30A/18A
MPPT Channels	1	2	2	2	2
AC Output Parameters (Grid-tied)					
Maximum Apparent Output Power (VA)	3300	4400	5500	6000	8800
Rated Output Voltage (V)	220/230				
Rated Output Frequency (Hz)	50/60				
Maximum Output Current (A)	15A	20A	25A	27A	40A
Output Power Factor	1(0.8 Leading ~ 0.8 Lagging)				
AC Output Parameters (Off-grid)					
Rated Output Power (W)	3000	4000	5000	6000	8000
Peak Output Power (W)	>200%,15sec				
Rated Output Voltage (V)	220/230				
Rated Output Frequency (Hz)	50/60Hz				
Maximum Output Current (A)	15A	20A	23A	25A	40A
Efficiency					
Maximum Efficiency (PV)	97.6%				
Maximum Efficiency (Battery)	94.5%				
European Efficiency	97%				
Protection					
PV Reverse Polarity Protection	Integrated				
PV Insulation Detection	Integrated				
Residual Current Detection	Integrated				
Output Overcurrent Protection	Integrated				
Output Short-circuit Protection	Integrated				
Output Overvoltage Protection	Integrated				
General Parameters					
Operating Temperature (°C)	-25~60°C (derating above 45°C)				
Storage Temperature (°C)	-30~65°C				
Relative Humidity	0~95%				
Operating Altitude (m)	≤4000m (derating albove 2000m)				
Cooling Method	Natural Cooling				
Noise (dB)	<55dB				
Weight (kg)	20kg				21.5kg
Dimensions (W × H × D mm)	198*427*554mm				
IP Rating	IP66				
Topology	High-frequency Isolation (Battery side)				
Safety / EMC Certification	IEC62109, IEC61000, IS16169 & IS16221(BIS)				
Grid-tied Certification	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140				
Other Certifications	IEC61683, IEC62116, EN50530, 1EC60068				



Three-phase Hybrid Inverter DPW48P3



For Grid-tied and
Off-grid Operation
Supports Multiple
Batteries in Parallel



100% Unbalanced
Output



Supports Storing
Energy from
Diesel Generators



Maximum Charging
/Discharging Current: 250A



MODEL	DPW48P3-8kW	DPW48P3-10kW	DPW48P3-12kW	DPW48P3-15kW
Battery Input Parameters				
Battery Type	Lithium or Lead-acid Battery			
Rated Battery Voltage (V)	48V			
Maximum Charging Voltage (V)	≤60V(configurable)			
Maximum Charging/Discharging Current (A)	190A	210A	250A	280A
PV Input Parameters				
Maximum DC Input Power (W)	16kW	20kW	24kW	20kW
Maximum DC Input Voltage (V)	1000V			
Operating Voltage Range (V)	200~800V			
Start-up Voltage (V)	150V			
Maximum Input Current (A)	18A/18A	36A/18A	36A/18A	36A/18A
MPPT Channels	2	2	2	2
AC Output Parameters (Grid-tied)				
Maximum Apparent Output Power (VA)	8800	11000	13200	16500
Rated Output Voltage (V)	380/400			
Rated Output Frequency (Hz)	50/60			
Maximum Output Current (A)	13.3A	16.7A	20A	25A
Output Power Factor	1(0.8 Leading ~ 0.8 Lagging)			
AC Output Parameters (Off-grid)				
Rated Output Power (W)	8000	10000	13200	15000
Peak Output Power (W)	>200%,15sec			
Rated Output Voltage (V)	380/400			
Rated Output Frequency (Hz)	50/60Hz			
Maximum Output Current (A)	13.3A	16.7A	20A	24A
Efficiency				
Maximum Efficiency (PV)	98%			
Maximum Efficiency (Battery)	94.5%			
European Efficiency	97.5%			
Protection				
PV Reverse Polarity Protection	Integrated			
PV Insulation Detection	Integrated			
Residual Current Detection	Integrated			
Output Overcurrent Protection	Integrated			
Output Short-circuit Protection	Integrated			
Output Overvoltage Protection	Integrated			
General Parameters				
Operating Temperature (°C)	-25~60°C (derating above 45°C)			
Storage Temperature (°C)	-30~65°C			
Relative Humidity	0~95%			
Operating Altitude (m)	≤4000m (derating albove 2000m)			
Cooling Method	Natural Cooling			
Noise (dB)	<55dB			
Weight (kg)	38kg			21.5kg
Dimensions (W × H × D mm)	475*683*256mm			
IP Rating	IP66			
Topology	High-frequency Isolation (Battery side)			
Safety / EMC Certification	IEC62109, IEC61000, IS16169 & IS16221(BIS)			
Grid-tied Certification	IEC61727. EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other Certifications	IEC61683. IEC62116. EN50530. 1EC60068			



ALL-IN-ONE SOLAR STORAGE SYSTEM DPMES300-1000WH

- This product can be used with AC loads of 300W, such as televisions, computers, fans, as well as communication devices such as mobile phones, MP3/MP4,PSP, Digital cameras, voice recorders, e-readers, digital speakers, mobile TVs, GPS and other products.

MODEL	DPMES300-1000WH
Rated power	300VA/300W
Rated capacity	1KWh
Product architecture	300W bidirectional inverter with PV charging
Output phase number	Single phase output
Battery type	1 series LFP batteries
Grid mode spec	
Rated input voltage	230VAC
Input voltage range	176~264 VAC
Rated input frequency	50Hz/60Hz
Power factor	≥0.99 @ Nominal Voltage (100% Load)
Max input current	2A
Efficiency	85.0% max
PV matrix MPPT spec	
Max PV charging power	200W (input above 20V)
PV voltage range	12~55Vdc
PV starting voltage	≥9.1V
Max input current limiting	10A
PV Array Max open circuit voltage	60VDC
MPPT tracking efficiency	≥99%
PV on battery charging efficiency	90%(max)
Inverter mode spec	
Output voltage	176VAC~230VAC ± 5%
Output rated frequency	50Hz or 60Hz
DC to AC efficiency	Battery off grid:82%
(UPS Mode)	20ms
Battery spec	
Rated voltage of battery	3.3VDC (discharge mode, battery voltage ≥ 2.6V start)
Battery voltage range	2.8-3.65VDC
Charging method	Three stage charging (LiFePO3 battery)
Battery voltage UVP	2.8±0.1V
Battery voltage OVP	3.65±0.1V
OTHER	
Inverter protection function	Input UVP, OVP, output overload, OTP, OCP protection
Size (H * W * T (mm))	(L * W * T) 200×170×33mm
Net weight (kg)	1KG
Noise	<50dB
Humidity	5%~95% relative humidity
Working temperature	-0 °C~60 °C (Derating of 45 °C~60 °C)
Storage temperature	-20 °C~70 °C
Altitude	3000m (for power reduction exceeding 2000m)
Heat dissipation method	Forced air cooling (with two 12V/0.15A fans inside)
LED light	5 status indicator lights / Battery Level Display



ALL IN ONE SOLAR SYSTEM(LOW FREQUENCY INVERTER + BATTERY) DPMESL



Adopting integrated design, integrating inverter, MPPT, AC charging and Li-ion energy storage, it is more convenient and efficient to use



Built-in industrial frequency inverter with a design life of more than 8 years



8000 cycles lithium iron phosphate battery, more than 10 years design life



Installation is simple and efficient with no need for technical expertise



Load 3x peak overload capability



Intelligent BMS communication management all-round protection system



With bidirectional inverter UPS function. AC-DC, DC-AC

MODEL	DPMESL3000-5248WH	DPMESL3000-10240WH	DPMESL5000-10240WH	DPMESL5000-15000WH	DPMESL8000-15000WH
RATED POWER (W)	3000W	3000W	5000W	5000W	8000W
PHOTOVOLTAIC INPUT					
Controller Type	MPPT	MPPT	MPPT	MPPT	MPPT
Maximum PV input power	3200W	3200W	5000W	5500W	5500W
Controller Current	60A	60A	100A	100A	100A
Maximum PV array voltage	155VDC	155VDC	155VDC	155VDC	155VDC
MPPT optimal operating voltage	72-120VDC	72-120VDC	72-120VDC	72-110VDC	72-110VDC
Number of controllers	1	1	1	1	1
Number of photovoltaic input circuits	1	3	3	3	3
Llghtning surge	/	500VDC 40KA	500VDC 40KA	500VDC 40KA	500VDC 40KA
Recommended number of PV strings (open circuit)	36V*4/52V*3	36V*4/52V*3	36V*4/52V*3	36V*4/52V*3	36V*4/52V*3
LITHIUM IRON PHOSPHATE BATTERY					
Quantitative (science)	5120WH	10000WH	10000WH	15000WH	15000WH
Nominal voltage	51.2Vdc	51.2Vdc	51.2Vdc	51.2Vdc	51.2Vdc
Maximum charging current	100A	100A	100A	140A	140A
Maximum discharge current	100A	200A	200A	200A	200A
Operating voltage	44.8-56.8Vdc				
Operating temperature	-10~50°C				
Cycle life	>6000 cycles @0.2C 100%D.O.D				
AC INPUT					
Phase control	Single-phase L+N+PE				
Voltage range (V)	For 110Vac grid: 85-135Vac for 220Vac grid: 165-265Vac				
Frequency (Hz)	50/60Hz (auto tracking)				
AC charging current	20A Max	25A Max	25A Max	25A Max	25A Max
OUTPUT (OFF-GRID)					
Phase control	Single-phase L+N+PE				
Voltage (V)	110V/120Vac; 220V/230V/240Vac				
Frequency (Hz)	50/60Hz± 1% (inverter mode)				
waveform	pure sine wave				
Rated output power	3000W	3000W	5000W	5000W	8000W
Rated output current	13.6A	13.6A	22.7A	22.7A	36.3A
Peak power (ms)	9000VA	9000VA	15000VA	15000VA	24000VA
Maximum conversion efficiency	90%	91%	90%	90%	90%
Conversion time	≤8ms	≤8ms	≤8ms	≤8ms	≤8ms
DC input					
12VDC	12VDC*1A*2	/	/	/	/
USB	USB*3 QC2.0/3.0 18W	/	/	/	/
OTHER					
Safeguard	Over-voltage, under-voltage, over-current, overload, over-temperature, short-circuit, surge, etc.				
Remote monitoring (optional)	4G/Wifi (APP)				
IP rating	IP21				
Humidity level	0~95% relative humidity (non-condensing)				
working environment	-10~50°C				
Design life	10 years				
SIZES					
L*W*H (MM)	580*278*760mm	655*350*885mm	655*350*885mm	716*350*935mm	716*350*935mm
PACKAGE SIZE					
L*W*H (MM)	660*380*920mm	760*432*1050mm	760*432*1050mm	800*432*1100mm	800*432*1100mm
Shipment 20-foot container	90units	78units	78units	66units	66units
Shipment 40-foot container	186units	150units	150units	128units	128units



ALL IN ONE SOLAR SYSTEM(HIGH FREQUENCY INVERTER + BATTERY)

DPMESH



**ALL IN ONE SOLAR SYSTEM
(HIGH FREQUENCY INVERTER + BATTERY)**

5248WH *Lithium battery*
3600W *Inverter Power*

DP3600-5248HG

Model Name	DP3600-5248HG
Inverter Type	High-frequency inverter
Output Frequency	50/60Hz
Inverter Power	3600W
Solar Controller Type	MPPT-100A
PV Max Voltage	40-450VDC/3600W
AC Voltage	110V-120V/220V-240V
Lithium battery	6000 cycles/5248WH
Product Design Life	5 years
Warranty	2 years
Waterproof rating	IP21
Display Screen Shows Solar Power Generation	
Supports mobile Bluetooth APP	
Both UPS functionality	



**ALL IN ONE SOLAR SYSTEM
(HIGH FREQUENCY INVERTER + BATTERY)**

8000WH *Lithium battery*
3600W *Inverter Power*

DP3600-8000HG

Model Name	DP3600-8000HG
Inverter Type	High-frequency inverter
Output Frequency	50/60Hz
Inverter Power	3600W
Solar Controller Type	MPPT-100A
PV Max Voltage	40-450VDC/3600W
AC Voltage	110V-120V/220V-240V
Lithium battery	6000 cycles/8000WH
Product Design Life	5 years
Warranty	2 years
Waterproof rating	IP21
Display Screen Shows Solar Power Generation	
Supports mobile Bluetooth APP	
Both UPS functionality	



**ALL IN ONE SOLAR SYSTEM
(HIGH FREQUENCY INVERTER + BATTERY)**

16000WH *Lithium battery*
6500W *Inverter Power*

DP6500-16000HG

Model Name	DP6500-16000HG
Inverter Type	High-frequency inverter
Output Frequency	50/60Hz
Inverter Power	6500W
Solar Controller Type	MPPT-120A
PV Max Voltage	90-450VDC/3600W
AC Voltage	208V-240V
Lithium battery	6000 cycles/16000WH
Product Design Life	5 years
Warranty	2 years
Waterproof rating	IP21
Display Screen Shows Solar Power Generation	
Supports mobile Bluetooth APP	
Both UPS functionality	



**ALL IN ONE SOLAR SYSTEM
(HIGH FREQUENCY INVERTER + BATTERY)**

16000WH *Lithium battery*
11000W *Inverter Power*

DP11000-16000HG

Model Name	DP11000-16000HG
Inverter Type	High-frequency inverter
Output Frequency	50/60Hz
Inverter Power	11000W
Solar Controller Type	MPPT-160A
PV Max Voltage	90-450VDC/3600W
AC Voltage	208V-240V
Lithium battery	6000 cycles/16000WH
Product Design Life	5 years
Warranty	2 years
Waterproof rating	IP21
Display Screen Shows Solar Power Generation	
Supports mobile Bluetooth APP	
Both UPS functionality	

LITHIUM BATTERY DPSLF

- Customized BMS communication protocol, Bluetooth, wifi, cloud monitoring and other functions can be customized, panel customization;
- Support parallel connection, increase flexibility;
- Unique design patent
- A variety of specifications and volumes to choose from;
- Built-in battery management system, automatic protection;
- Long cycle life;
- High energy density, high power;
- Fast charging;
- The volume smaller than similar, more space-saving;
- Convenient installation, simple connection.



12.8V/25.6V/51.2V



Parallel support



Customization



Multiple specifications



Safe and reliable



Easy to install



Lithium ironphosphate battery
Wall-mounted energy storage

51.2V Nominal voltage

100Ah Nominal capacity

DPSLF512100 ▶

Model Name	DPSLF512100
Nominal voltage(V)	51.2V
Nominal capacity(Ah)	100Ah
Nominal energy(Kwh)	5.12KWh
Maximum output power (KW)	5KW
Combination mode	1651P
Charging mode	CC/CV/CP
Charging current	0.2C(20A)
Maximum continuous charging current	50A
Charge cut-off voltage (V)	58.4V
Discharge mode	CC/CV/CP
Discharge current	0.5C(50A)
Maximum continuous discharge current	50A
Discharge cut-off voltage (V)	43.2V
Display	LCD
Communication interface	RS485/RS232/CAN
Charge operating temperature	0 °C+50 °C
Discharge operating temperature	-10 °C+55 °C
Battery weight(Kg)	~50Kg
Battery size(mm)	L420*W155*H580
Package size(mm)	L650*W490*H220



Lithium ironphosphate battery
Wall-mounted energy storage

51.2V Nominal voltage

200Ah Nominal capacity

DPSLF512200 ▶

Model Name	DPSLF512200
Nominal voltage(V)	51.2V
Nominal capacity(Ah)	200Ah
Nominal energy(Kwh)	10.24KWh
Maximum output power (KW)	10.24KWh
Combination mode	1651P
Charging mode	CC/CV/CP
Charging current	0.2C(40A)
Maximum continuous charging current	100A
Charge cut-off voltage (V)	58.4V
Discharge mode	CC/CV/CP
Discharge current	0.2C(40A)
Maximum continuous discharge current	200A
Discharge cut-off voltage (V)	43.2V
Display	LCD
Communication interface	RS485/RS232/CAN
Charge operating temperature	0 °C+50 °C
Discharge operating temperature	-10 °C+55 °C
Battery weight(Kg)	~90Kg
Battery size(mm)	L480*W250*H640(without wheels)
Package size(mm)	L720*W560*H432mm(Wooden case)



Lithium ironphosphate battery
Wall-mounted energy storage

51.2V Nominal voltage

300Ah Nominal capacity

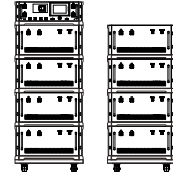
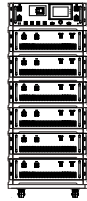
DPSLF512300 ▶

Model Name	DPSLF512300
Nominal voltage(V)	51.2V
Nominal capacity(Ah)	300Ah
Nominal energy(Kwh)	15.36KWh
Maximum output power (KW)	15KW
Combination mode	1651P
Charging mode	CC/CV/CP
Charging current	0.2C(60A)
Maximum continuous charging current	150A
Charge cut-off voltage (V)	58.4V
Discharge mode	CC/CV/CP
Discharge current	0.2C(60A)
Maximum continuous discharge current	200A
Discharge cut-off voltage (V)	43.2V
Display	LCD
Communication interface	RS485/RS232/CAN
Charge operating temperature	0 °C+50 °C
Discharge operating temperature	-10 °C+55 °C
Battery weight(Kg)	~128Kg
Battery size(mm)	L520*W250*H750(without wheels)
Package size(mm)	L900*W620*H432mm(Wooden case)



HIGH-VOLTAGE BATTERY ENERGY STORAGE CABINET DPSLFH30KWH / DPSLFH67KWH / DPSLFH128KWH

- High-voltage platform design
- High energy density and modular structure
- High security
- Intelligent energy management
- High reliability and long lifespan
- Rapid deployment and standardized interface
- Environmental protection and low operation and maintenance costs



MODEL	DPSLFH30KWH	DPSLFH67KWH	DPSLFH128KWH
Nominal capacity	104Ah	280Ah	314Ah
Rated voltage	288V	240V	409.6V
Grouping scheme	90S1P	95S1P	128S1P
Operating voltage range	225~324V	202.5~273.75V	345.6~467V
rated energy	29.952KWh	67.2KWh	128.6144KWh
Rated charging voltage	324V	273.75V	467.2V
Standby charging voltage	306-315V	255-270V	435.2-448V
Rated charging current	20A	56A	60A
Maximum continuous charging current	100A	200A	200A
Rated discharge current	20A	56A	60A
Maximum continuous discharge current	100A	200A	100A
Peak discharge current	105A@2S/110A@1S	/	/
Cycle life	Cycle life≥3000	Cycle life≥8000	Cycle life≥8000
Chassis dimensions	L*H*D: 442*132*450mm	L*H*D: 442*250*680mm	L*H*D: 442*250*680mm
Rack size	502*450*1275/582*450*1100mm	502*680*1525mm	502*680*1275/502*680*1100mm
Battery box weight	≈ 40kg	≈ 110kg	≈ 123kg
Total weight	≈ 260kg	≈ 580kg	≈ 1050kg
Operating Temperature	Charge: 0~55°C Discharge: -20~60°C		
Protection level	IP20		



INDUSTRIAL AND COMMERCIAL INTEGRATED SYSTEM DPESS130K261KWH

-  High protection level: cabinet IP54, C4 anti-corrosion; Inverter IP66 protection, battery PACK IP67 protection, can be used in a variety of harsh scenarios
-  High conversion efficiency: the PV-ESS inverter adopts SiC solution on a large scale, with the highest conversion efficiency reaching 98.2%, reducing the kWh cost
-  Three-level fire-fighting strategy: Level 1 power off and shutdown protection, Level 2 perfluorohexanone gas start, Level 3 water spray fire-fighting to prevent re-ignition
-  Intelligent monitoring: real-time intelligent power balance control, energy management and scheduling, information monitoring and early warning, safe and reliable system
-  Modular design: the system consists of battery cabinet, power distribution cabinet, and EMS modules, which can be flexibly configured and support dynamic expansion
-  Application scenarios: industrial and commercial energy storage, emergency backup power supply, Diesel-PV-ESS microgrid, etc.

System Expansion



Flexible expansion of DC side
(1 distribution cabinet + 4 battery cabinets)
130kW/261~1044kWh system



4 parallel connections



4 parallel connections

Backup side AC 4 parallel connections
130kW/261kWh*4 system

MODEL	DPESS130K261KWH
Battery parameters	
Configuration	1P260S
Rated energy	261kWh
Rated voltage	832Vdc
Voltage range	728~949Vdc
Cell	314Ah
Max. expandable quantity	4 clusters
PV parameters	
Max. input power	260kW
Max. input voltage	950Vdc
Rated input voltage	810Vdc
Starting voltage	220Vdc
Max. input/short-circuit current	52/55Hz
MPPT quantity	6
Max. number of MPPT strings	3
Grid parameters	
Rated input/output power	260/130kW
Voltage range	380/400Vac(-20%~20%), 3/N/PE
Rated input current	394A/376.8A
Rated output current	197A/188.4A
Power factor	>0.99(0.8 lead~0.8 lag)
Current harmonics(THDi)	<3%@rated power
Diesel engine parameters	
Rated power	130kW
Voltage range	380/400Vac(-20%~20%), 3/N/PE
Rated current	197A/188.4A
Backup parameters	
Rated power	130kW
Rated voltage	380/400Vac, 3/N/PE
Rated frequency	50/60Hz
Rated current	197A/188.4A
Current(THDu)	<3%@linear rated power
System general parameters	
On-grid and off-grid switching time	<20ms
IP rating	Battery cabinet(IP54), battery pack(IP67), power distribution cabinet(IP20), PV-ESS inverter(IP65), power distribution box(IP55)
Operating temperature	-30~60 (>45 derating)
Max. conversion efficiency	99%
Europe/MPPT efficiency	98.2%/99.9%
Relative humidity	<95%RH(non-condensing)
Cooling method	Battery cabinet@Liquid cooling/PV-ESS inverter@air cooling
Operating altitude	<4000m(>2000m derating)
Wired/wireless communication	Ethernet(1 Modbus-TCP), RS485(1 Modbus-RTU)/4G/WIFI
Human-computer interaction	LED, APP, Web
Standards	IEC62109-1/2, IEC62619, IEC62477-1, UN38.3, UL9540A, UL1973, IEC62933-5-2, IEC61439-2 GB/T34120, GB/T34133, EN50549, IEC61000-6-1,2,3,4
Dimensions(WxHxD)	1000x2250x1350mm@battery cabinet, 800x2250x1350mm@power distribution cabinet
Weight	≤2000kg@battery cabinet, ≤1000kg@power distribution cabinet
Noise	<65dB
Fire-fighting	Cell level+cabinet level gas fire-fighting(perfluorohexanone)/aerosol+water fire-fighting



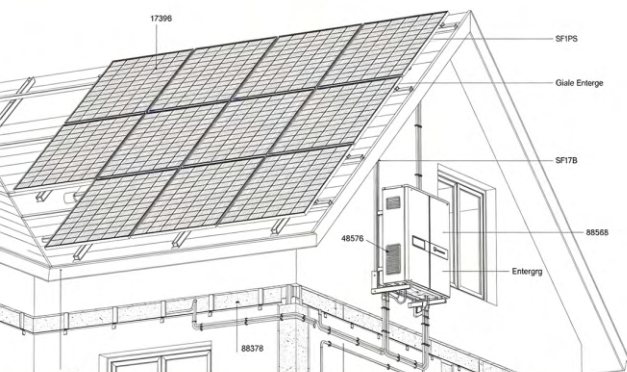


DRPOWER

Power Station Design and Construction



Power generation display



Drawing design



Photovoltaic installation

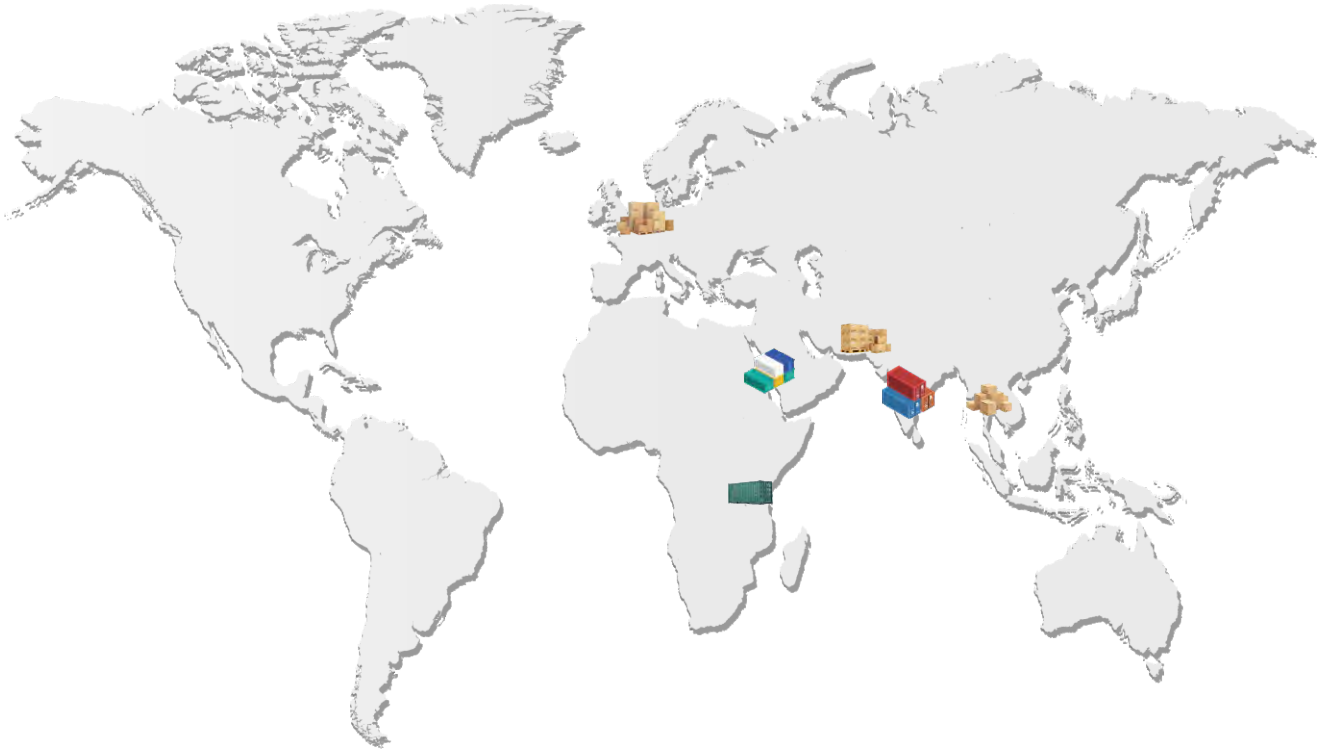


Line installation



System debugging

Global Warehouse



Poland	Thailand	India	Pakistan	Saudi Arabia	Kenya
Grodzisk Mazowiecki Warehouse	Samutphakarn Warehouse	Mumbai Warehouse	Lahore Warehouse	Riyadh Warehouse	Warehouse

POWER

-  Building 1, No.7 Dongsheng Rd., Jianghai Dist., Jiangmen City, Guangdong Prov., CN
-  Shangxing Zhongxing Building, Xinqiao Street, Bao'an District, Shenzhen, China

-  **|tel:** +86 0750 3767288
-  **|mobile:** +86 18948882408
-  **|whatsapp:** +86 17765766527
-  **|mail:** glowise527@outlook.com
-  **|web:** www.glowwisetech.com



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