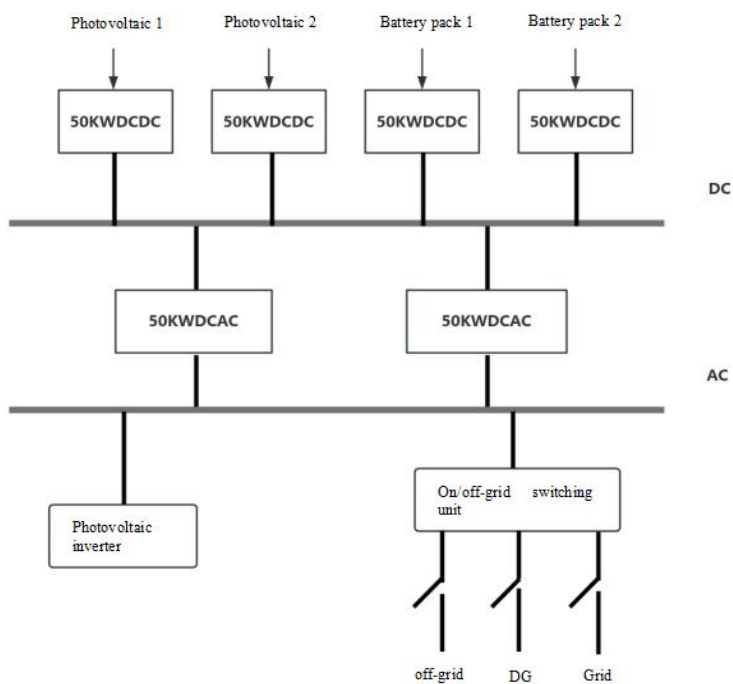


Integrated energy cabinet compatible with photovoltaic, diesel generator and battery inputs

The integrated energy cabinet can support photovoltaic, diesel generator, energy storage, load to access at the same time, and various working modes can be set flexibly set; the DC/DC, DC/AC and off-grid automatic switching unit are integrated in the cabinet. It has the advantages of high integration, flexible configuration, rich functions, and convenient installation and debugging.



*This product image is for reference only, please take the actual product as the standard.



Product Highlights



1. Adapt to the wide range of scenes, can be connected to photovoltaic, diesel generator, energy storage ,etc



2. Supports multiple working modes, such as grid connected PQ mode/off grid VF mode/constant DC voltage mode/DC droop mode/black start mode/primary



3. Integrated design, easy to transport, install, and deploy flexibly.



4. Support real-time online monitoring of the system status.



5. The off grid switching unit can be remotely operated or manually switched

Application scenarios



Off-grid mine



Off-grid island



Nomadic farm



Village without power

Application scenarios



Three phase active power independent



Off grid switching function



Three phase reactive power independent



Single phase heavy overload control function



Primary frequency modulation function



Three phase undervoltage regulation



Three phase unbalanced load function



Three phase overvoltage regulation



Technical parameter

product model name		Integrated energy cabinet compatible with photovoltaic、 diesel generator and battery inputs
Alternating (grid connected)	Power rating (KW)	50KW/100KW
	Rated voltage (V)	400V
	Rated current (A)	73A/144A
	Voltage range (V)	340V ~ 440V
	Rated frequency	50/60Hz
	Power factor	0.9 lag ~0.9 advance
	Isolation method	No isolation
	Switch on/off the grid	support
	Total current harmonic distortion rate	≤3%
Alternating (off-grid)	Rated output power (KW)	50KW/100KW
	Rated output voltage (V)	400V
	Rated output current (A)	73A/144A
	Voltage total harmonic distortion	≤1% (Linear load)
	Off-grid voltage deviation	amplitude≤5% and phase <3°
Photovoltaic input / energy storage	Input voltage range (V)	200V-900V
	Photovoltaic power (KW)	50KW/100KW
	MPPT Full-load voltage range (V)	420-850V
	Number of MPPT modules	1-4
	MPPT voltage range	200-850V
Diesel engine input	Rated input power	50KW
	Input voltage	380Vac
	Input currenton	75A
Conventional parameters	Dimension W * D * H (mm)	625mm*1050mm*1705mm
	Net weight (kg)	500
	Working temperature (°C)	-20°C -45°C
	Allow relative humidity	0~95% (no condensation)
	Levels of protection	IP54
	Cooling-down method	air cooling
	Noise (dB)	≤60dB
	Allowable altitude level (m)	4,500m (derating for higher than 3000m)
	Display screen	Touch-type LCD display screen + cloud platform
	EMS communication	RS485,TCP/IP
	PCS attestation	EN62477、 EN50549-1、 IEC 61000、 IEC62477、 CQC24024418183

The product specifications may subject to change without notice.

