

Pellet Power Station

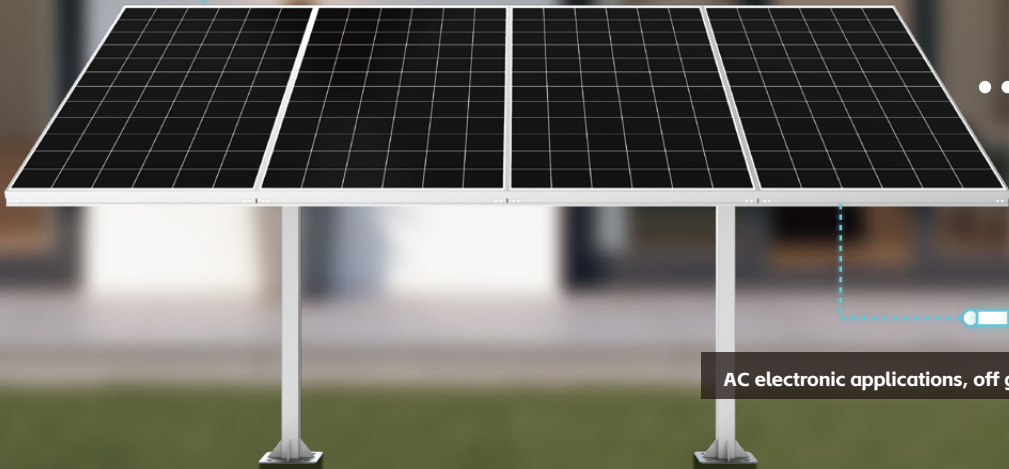
Photovoltaic-Storage Integration

AC/DC Systems

- Supply power dynamically in multiple voltage modes (It can support multiple voltage modes such as 12V, 24V, 48V, etc.)
- Highly expandable, compatible with external inverter
- Infinite multiple-groups connection in parallel

DC electronic applications, off grid solar system etc.

DC Output



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AC Output

AC electronic applications, off grid solar system etc.

No need for converter | Save cost, directly supply power to DC applications, save inverter expense



Blue Carbon

12V PELLET POWER STATION

Single Group



Product Parameters

DC System

Pellet Power Station Product Parameters	Battery Compartment 1		Battery Compartment 2	
	PV Module Power	585W	PV Module Power	585W
	Battery Cell types	Lithium Battery	Battery Cell types	Lithium Battery
	Battery Capacity	100Ah	Battery Capacity	200Ah
	DC Output Voltage	12.8V	DC Output Voltage	12.8V
	Maximum DC Power	600W	Maximum DC Power	1200W
	Maximum DC Output Current	50A	Maximum DC Output Current	100A

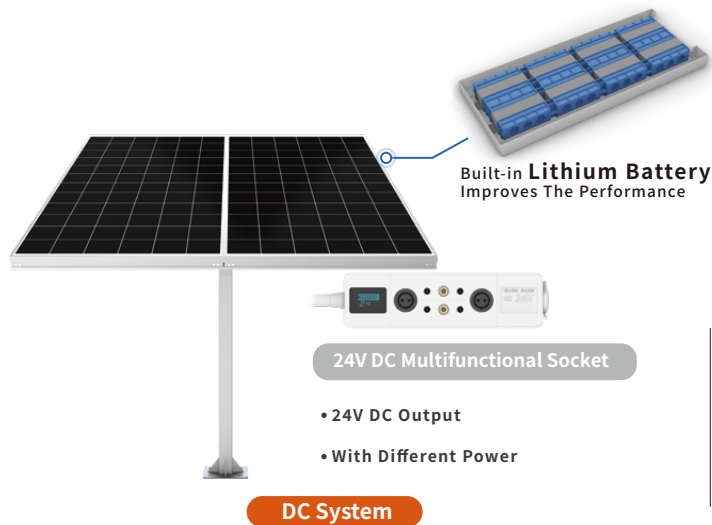
AC System

inverter AC output	Rated Capacity (kW)	1.2
	Surge Power (kVA)	2.4
	Voltage (VAC)	208/220/230/240
	Power Factor (PF)	1
	Frequency	50/60Hz±0.1%
	Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
	Wave Form	Pure Sine Wave
	Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load
	Max. Efficiency (Battery Mode)	90%@12VDC
	Parallel Quantity	NA

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24V PELLET POWER STATION

Two Groups



Product Parameters

DC System

	Battery Compartment 1	Battery Compartment 2
 Pellet Power Station Product Parameters	PV Module Power	585W×2
	Battery Cell types	Lithium Battery
	Battery Capacity	100Ah
	DC Output Voltage	25.6V
	Maximum DC Power	1200W
	Maximum DC Output Current	50A

AC System

 Inverter AC output	Rated Capacity (kW)	4
	Surge Power (kVA)	5.7
	Voltage (VAC)	208/220/230/240
	Power Factor (PF)	1
	Frequency	50/60Hz±0.1%
	Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
	Wave Form	Pure Sine Wave
	Overload Capacity (Battery Mode)	60s@102%~110% load;10s@110%~130% load; 3s@130%~150%load; 0.2s@>150% load
	Max. Efficiency (Battery Mode)	92.7%@24VDC
	Parallel Quantity	NA

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48V PELLET POWER STATION

Four Groups



Product Parameters

DC System

	Battery Compartment 1	Battery Compartment 2
 Pellet Power Station Product Parameters	PV Module Power	585W×4
	Battery Cell types	Lithium Battery
	Battery Capacity	100Ah
	DC Output Voltage	51.2V
	Maximum DC Power	2400W
	Maximum DC Output Current	50A

AC System

 Inverter AC output	Rated Capacity (kW)	6
	Surge Power (kVA)	10
	Voltage (VAC)	208/220/230/240
	Power Factor (PF)	1
	Frequency	50/60Hz±0.1%
	Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
	Wave Form	Pure Sine Wave
	Overload Capacity (Battery Mode)	60s@102%~110% load;10s@110%~130% load; 3s@130%~150%load; 0.2s@>150% load
	Max. Efficiency (Battery Mode)	93%@48VDC
	Parallel Quantity	9