

RPCI-HVC6(LFP-30kW-50kWh)

SYSTEM PARAMETERS

Battery System Parameters

Battery Module Type	51.2V
Battery Module Number	4
Battery Module Dimension	442*750*230mm
Battery System Voltage	204.8V
Battery Capacity	280Ah
Normal Energy	50kWh
Battery Max Charge Current	100A
Battery Max Discharge Current	100A
Charge Voltage	220.8V
Cut-of Voltage	179.2V

30kW Inverter Parameters

Battery Parameters

Max Battery Voltage	850V
Min Battery Voltage	160V
Normal Voltage Range	320V~850V
Max Charge/Discharge Current	100A

PV Parameter

Max Power	19.2kW+19.2kW
Max PV Voltage	850V
PV Start Voltage	250V
MPPT Voltage Range	200V~830V
Max PV Current	32A+32A

On Grid

Normal Power	18kVA
Normal Current	26A
AC voltage	400V/230V
AC voltage range	-20%~15%
Frequency Range	(50Hz/47Hz~52Hz) 60Hz/57Hz~62Hz)
Power Factor	0.8~0.8

Off Grid

Normal Power	18kVA
Max Out Power	21KVA
Normal Current	26A
Max Output Current	30A
AC Voltage	400V/230V
Output Voltage Harmonics	<3% (resistive load)
Degree Of Unbalance	100%
Frequency Range	50/60HZ
Overload	28.6A<I _{load} ≤32.5A/100s 32.5A<I _{load} ≤39A/100ms

System parameters

Communication Port	EMS:RS485 Battery:CAN or RS485
DIDO	D*2 DO*2
Efficiency	97%
Module Weight	35kg
Dimension	440*560*183mm
IP Rate	IP20
Work Temperature Range	-30~60°C
Humidity	5~95%RH
Cooling	FAN
Inverter Certificate	CE, EC62019, EC62477 IEC6100, EN50549
Cabinet Cooling	Air conditioner
System Weight	Approx 915kg
Dimension	Approx 800*1450*2100mm
Inverter Installation	Built-in Cabinet



Product Details



- ◆ High Power & Capacity: Available in 30kW-50kWh and 50kW-100kWh models to meet diverse energy needs.
- ◆ Efficient Performance: Reliable, high-efficiency LiFePO4 batteries with long lifespan.
- ◆ Scalable Solution: Modular design for easy capacity expansion.
- ◆ Advanced Protection: Integrated safety features, including fire protection & overcharge protection.
- ◆ Easy Installation: 19-inch rack design for quick setup and maintenance.
- ◆ Smart Monitoring: Real-time monitoring and management via remote access.