

RPCI-HVC7(LFP-50kW-100kWh)

SYSTEM PARAMETERS

Battery System Parameters

Battery Module Type	51.2V
Bottepy Module Number	7
BctteoMocde Dimenslon	442*750*230mm
Battery System Voltage	358.4V
Battery Capacity	280Ah
Normal Energy	100kWh
Battery Max Charge Current	80A
Battery Max Discharge Current	80A
Charge Voltage	386.4V
Cut-off Voltage	313.6V
50kw Inverter Parameters	
Battery Parameters	
Max Battery Voltage	850V
Min Battery Votoge	160V
Normal Voltage Range	320V~850V
Max Charge/Discharge Current	80A*2
PV Parameter	
Max Power	30kW*2
Max PV Voltage	850V
PV StartVotage	250V
MPPT Voltage Range	200V~830V
Max PV Current	(25A+25A)*2
On Grid	
Normal Power	25KVA*2
Normal Current	36.2A*2
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	25kVA*2
Max Out Power	27.5KVA*2
Normal Current	36.2A*2
Max Output Current	40A*2
AC Voltage	400V/230V
Output Voltage Harmonics	<3%(resistive lood)
Degree Of Unbalance	100%
Frequency Range	50/60HZ
Overrood	(39.88Ad load≤45A/100s 45A</load≤54A/100ms)*2

System parameters

Communication Port	EMSR5485 Batterv:CAN or RS485
DIDO	DI*2 DO*2
Efficiency	97%
Module Weight	35kg*2
Dimension	440*560*183mm
P Rate	P20
Work Temperature Range	-30~60℃
Humidity	5~95%RH
Cooling	FAN
hverter Certificate	CE, EC62019, EC62477 EC6100, EN50549
Cabinet Cooling	Air conditioner
System Weight	approx1430kg
Dimension	Approx 1000*1450*2100mm
nverter Instdlletion	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.