

C&I ESS SERIES

RPCI-HVC7 (LFP-50kW-112kWh)

ENERGY STORAGE SYSTEM



Model	RPCI-HVC7 (LFP-50kW-112kWh)
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SYSTEM PARAMETERS

Battery System Parameters

Battery Module Type	51.2V
Battery Module Number	7
Battery Module Dimension	442*750*230mm
Battery System Voltage	358.4V
Battery Capacity	314Ah
Normal Energy	112kWh
Battery Max Charge Current	200A
Battery Max Discharge Current	200A
Charge Voltage	386.4V
Cut-off Voltage	313.6V

50kw Inverter Parameters

Battery Parameters

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

PV Parameter

Max Power	30kW*2
Max PV Voltage	850V
PV Start Voltage	250V
MPPT Voltage Range	200V~800V
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	25kV*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 load)
Degree Of Unbalance	100%
Frequency Range	50/60HZ
Overload	(39.8A<l load≤45A/100s 45A<l load≤54A/100ms)*2

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

SYSTEM PARAMETERS

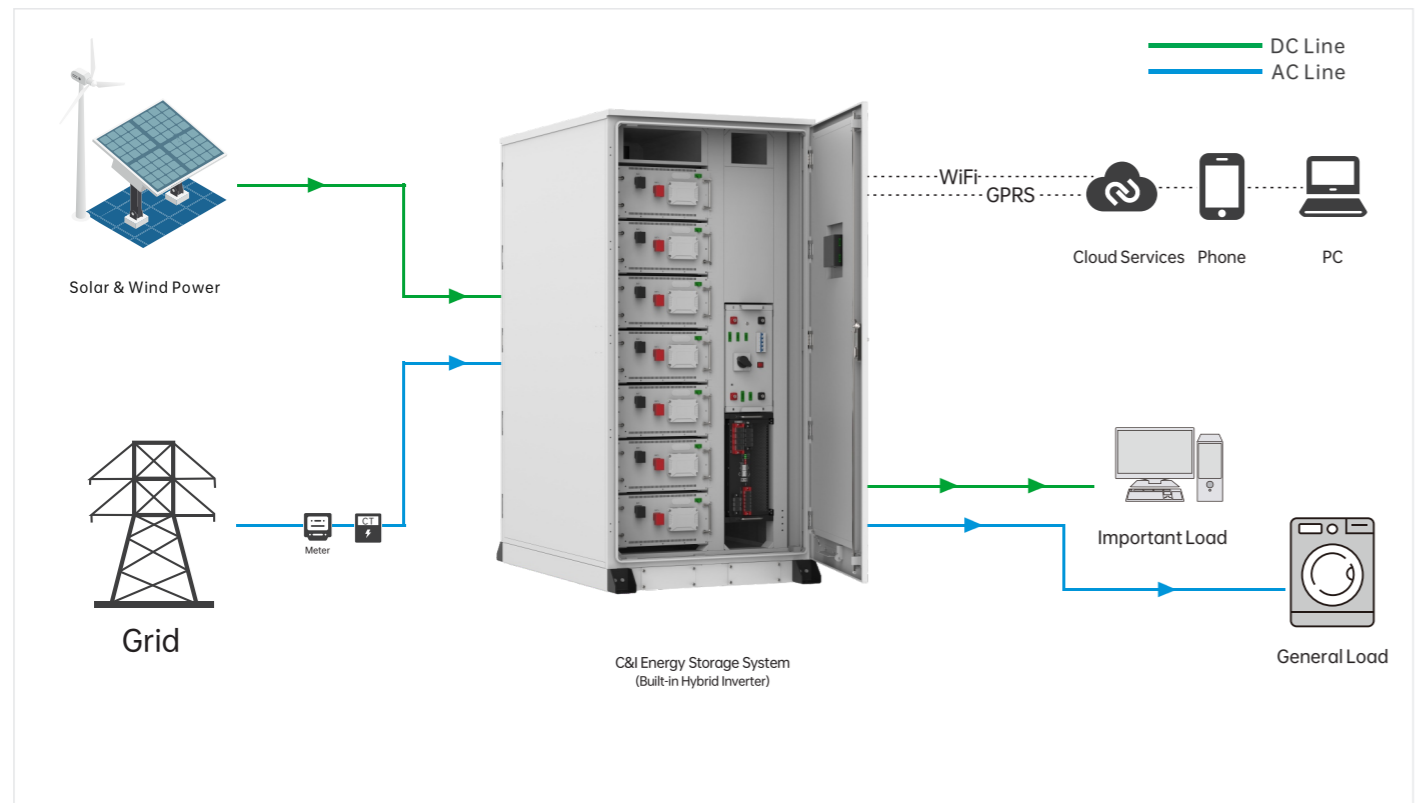
System parameters

Communication Port	EMS:RS485 Battery:CAN or RS485
DIDO	DI*2 DO*2
Efficiency	97%
Weight	35kg*2
Dimension	440*560*183mm
IP Rate	IP20
Work Temperature Range	-30~60°C
Humidity	5~95% RH
Cooling	FAN
Inverter Certificate	CE, IEC62019, IEC62477, IEC6100, EN50549

Cabinet

Cooling	Air conditioner
System Weight	≈1430kg
Dimension	Approx 1000*1450*2100mm
Inverter Installation	Built-in Cabinet

Application Process



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