

Vesol EV Charge Whole System Solution

Suitable for multiple application scenarios
 One-stop service / Quick installation
 Easy maintenance

EV Charge energy storage system

Standard Proposal

	List	Remark
Vesol EV Charge Whole System Solution	PCS	125kW
	Mppt	120kW
	Battery	265kWh
	EV Charge	120kW



EV Charging

DW120

Input	Input Voltage	400VAC
	AC input frequency	45 ~ 65 Hz
	Maximal efficiency	≥ 95%
	Power factor	≥ 99%
Output	Output voltage range	200 ~ 1000 VDC
	Output Current	2 Guns, 200A/Gun
	Rated Power	120KW
User Interface	Communication	4G, Ethernet
	Payment Method	RFID Card, Password Charging , QR code Scanning , Bank Card

Model	BS07-265-ES-G
Battery Parameters	
Battery Type	LiFePO ₄
Configuration	1P264S
Rated Battery Voltage	DC 844.8V
Nominal Capacity	314Ah
Battery Voltage Range	739.2~950.4V
Nominal Energy	265.267kWh
Usable Energy(kWh@90%DOD)	238.74kWh
Cycle Life	≥8000 Cycles(@25°C,0.5C,90%DOD,70%EOL)
Warranty Period	5+5 years
Cumulative Discharge Energy	426.0MWh
PV input Parameters	
Input Power	120kW
PV Open-circuit Voltage	DC 200~900V
MPPT Voltage Range	DC 200~700V
Start-up Voltage	250V
No. of MPPT Trackers	1
Max. PV Current	200A
Short-circuit Current	60A+60A+60A+60A
AC (On Grid)	
Rated Power	125kW
Output Voltage	AC 230/400V
Grid Frequency	50/60Hz
Grid Connection Form	3W+N+PE
Power Factor	0.99
Power Factor Range	-1(leading)~1(lagging)
THDi	<2%(rated power)
AC (off-grid)	
Rated Power	125kW
Output Voltage	AC 230/400V
Grid Frequency	50/60Hz
AC Voltage harmonic	<3%(Linear load)
Isolation Transformer Parameters	
Voltage	AC 400/400V
Capacity	150kVA
Max. Efficiency	≥97%
Short-Circuit Impedance	4%
Basic Parameters	
Dimension (W*D*H)	1758*1476*2135mm
Weight	3350kg
Operating Temperature Range(°C)	-30°C~55°C(> 45°C derating)
Relative Humidity	5%~90%(non-condensing)
IP Rating	IP54
Anti-corrosion Grade	C4(Optional C5)
Noise	75dB(<1m distance)
Altitude	≤2000m
Cooling Method	Intelligent Air Cooling (Battery compartment air conditioning,electrical compartment fan)
Certifications	UN38.3,MSDS,IEC62619(CB),IEC63056(CB),IEC62040-1(CB),CE-EMC,IEC62477-1,IEC60529