

Dawnice 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
Dawnice 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℃,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(℃)	-30℃~55℃(> 45℃ 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	