



60KW DC Double Gun Charging Pile

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Model: LA-60

Brand: Latest

Overview

The system adopts the international leading high-frequency switching power supply module, the monitoring adopts industrial-grade chips, and the man-machine interface adopts an industrial color touch screen. The system is compatible with the national standard 2011, 2015, Potevio Landmark and other electric vehicle charging protocols, and can expand the national grid billing unit, voice module and other functions. At the same time, the product has the advantages of high reliability, high efficiency, high safety, high availability, beautiful appearance, and excellent craftsmanship.

No.	Part Name	Description
1	Product name	The charging system is composed of a DC charging cabinet and a DC charging pile. The DC charging cabinet can be installed outdoors (for charging safety considerations, a ceiling should be set).

The charging system is integrated by a DC charging cabinet and a DC charging pile

2	Composition	
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3	Configuration	<table border="1"> <thead> <tr> <th>Part</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Monitoring module</td> <td>IMSU charger monitoring: 2, IMIU insulation detection monitoring: 2</td> </tr> <tr> <td>Charging module</td> <td>Model: REG75030 or REG50040; Optional configuration: 2~4</td> </tr> <tr> <td>AC power distribution</td> <td>Single input, plastic case MCB input protection, module input MCB protection, with C-level lightning protection</td> </tr> <tr> <td>DC power distribution</td> <td>Standard 80KW system: 750V/110A or 550V/160A dual output, dual guns can be output in parallel.</td> </tr> <tr> <td>Temperature Control System</td> <td>The positive and negative poles are protected by breaking contactor and fuse, and the charging module has built-in discharge resistance and discharge circuit.</td> </tr> <tr> <td>Card reader</td> <td>4-axial fan system</td> </tr> <tr> <td>other</td> <td>RF swipe card reader: 2</td> </tr> <tr> <td>Voice module</td> <td>DC energy meter: 2</td> </tr> <tr> <td>State Grid Billing Unit</td> <td>7-inch display touch screen: 1</td> </tr> <tr> <td>4G wireless router</td> <td>2 (optional)</td> </tr> <tr> <td>"Yiyun" charger operation and maintenance software system</td> <td>Optional</td> </tr> </tbody> </table>	Part	Description	Monitoring module	IMSU charger monitoring: 2, IMIU insulation detection monitoring: 2	Charging module	Model: REG75030 or REG50040; Optional configuration: 2~4	AC power distribution	Single input, plastic case MCB input protection, module input MCB protection, with C-level lightning protection	DC power distribution	Standard 80KW system: 750V/110A or 550V/160A dual output, dual guns can be output in parallel.	Temperature Control System	The positive and negative poles are protected by breaking contactor and fuse, and the charging module has built-in discharge resistance and discharge circuit.	Card reader	4-axial fan system	other	RF swipe card reader: 2	Voice module	DC energy meter: 2	State Grid Billing Unit	7-inch display touch screen: 1	4G wireless router	2 (optional)	"Yiyun" charger operation and maintenance software system	Optional
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Note:

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No.	Part Name	Technical Parameter	Description		
4	Technical Parameter		Working temperature 1	-20°C~+60°C	
			Transport/storage temperature	-40°C~+70°C	
			Relative humidity	5%RH~95%RH(With condensation)	
			Air pressure	80KPa~110KPa	
			Overvoltage category	II	
			Environmental conditions	Altitude	2000m
				Pollution level	Level 3
				Shock	The impact energy is 20J (5Kg, 0.4m). After the test, the performance cannot be reduced to ensure that the IP level is not affected, the operation and locking points of the door are not damaged, and the live parts and the shell will not contact due to deformation.
			Mechanical parameters	Dimensions (width × depth × height)	650mm × 455mm × 1500mm
				Weight (kg)	180kg(Without charging module)
		Note 1:	The DC charging cabinet works at full load at 45°C, and it needs to be derated if it exceeds 45°C. For every 1°C increase in temperature, the power is reduced by 5%;		
5	Protection requirements	The protection level of the integrated charger is IP54.			
6	Technical Index	Rated power: 60KW dual guns with the same charge; AC input power: AC380V±10% three-phase; AC input frequency: 50Hz±10%; Charging efficiency: ≥95%; Degree of protection: IP54; Power factor: ≥0.99; Harmonic current: ≤3% (under rated conditions); Shell material: metal; Working temperature: ≤95%; Constant current/stabilization accuracy: ≤±0.5%; DC output voltage: DC150-500V/ DC150-750V/ DC150-750V; Rated output current: 0-150A/0-96A/0-150A			

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No.	Part Name	Description
7	Main Feature	<p>Charging module</p> <ul style="list-style-type: none"> Using active power factor compensation technology, the rated power factor value reaches 0.99. Using comprehensive soft switching technology, the rated efficiency is as high as 96%. Ultra-low radiation. Adopt advanced electromagnetic compatibility design. The safety design complies with UL, CE, NEBS standards. High power density. With output overvoltage hardware protection and output overvoltage software dual protection. High reliability, MTBF>300,000 hours Built-in discharge resistance and discharge circuit, eliminate the discharge resistance of the system, improve system reliability <p>System</p> <ul style="list-style-type: none"> The normal working range of AC input voltage is wide to 260Vac ~ 530Vac. Perfect battery management. It has battery low-voltage protection function, which can realize functions such as temperature compensation, automatic voltage regulation, and step-less current limiting. Perfect AC side lightning protection design. There are multiple dual gun power distribution mode options such as double gun equal charging, wheel charging, and automatic charging, which is convenient for customers to choose business mode. Meet the national grid GBT18487.1-2015, GBT20234.1/2/3-2015, GBT27930-2015 standards <p>Monitor</p> <ul style="list-style-type: none"> Convenient and concise operation interface and fast maintenance interface Complete fault protection and fault alarm functions. Independent and complete insulation fault and leakage current detection function. The access function of wireless and wired networks, as well as RS232 and CAN interfaces, facilitate the access to the background operation and operation and maintenance system. Realization of voice system (optional) Access to the State Grid Billing Unit (optional) Easy Cloud Operation and maintenance background software system access (optional)
8	Optional	Network version/stand-alone version
9	Size(mm)	650(W) X 455(D) X 1500(H)
10	Installation Method	Vertical installation [Installation size 400 (W) x 490 (L) mm]

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No.	Part Name	Description
11	Charging Scene	<p>It is suitable for installation in station-type charging places such as expressway charging service area, public transportation group company parking lot, tourist attraction parking lot, commercial square parking lot, etc., to achieve user-specific charging requirements. It does not occupy the existing parking space and is widely used in underground garages, office buildings, shopping malls, hotels, road shoulders, public parking and other indoor or outdoor venues.</p>
12	Product Description	<ol style="list-style-type: none"> 1. With constant current and constant charging function; suitable for charging the vehicle-mounted high-voltage lithium battery system; 2. The DC motor has a CAN bus interface for communication with the battery management system. When the BMS charging mode is set, the charging system adjusts the charging current in real time according to the control command of the battery system, and can be used when the battery management system sends a stop or abnormal message. Automatically stop charging; 3. Support BMS charging method. BMS charging method supports "GB/T 27930-2015 Communication Protocol between Electric Vehicle Off-board Conductive Charger and Battery Management System" or user customized protocol; 4. The equipment has over-voltage, under-voltage protection, over-humidity protection, grounding protection, over-current protection, lightning protection, and an external running indicator that can display the status of the charging system in real time; 5. Equipped with a high-voltage DC international charging gun, which can effectively ensure the safety of charging; 6. Equipped with a 7-inch true color touch screen as a man-machine interface, and at the same time, you can use the charging mobile phone client to scan the QR code for charging; 7. Have an open, shareable, data service platform and management platform; 8. The charging system can ensure normal use in the outdoor environment, and the protection level is IP54

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