

# 360-960kW Split Type DC Charger (Dynamic Power Distribution)

## Product Description

YLCED series split type charging station covers 360kW~960kW, output covers 6~24 terminals, and the system adopts dynamic power distribution technology to greatly improve the utilization rate of charging power. The system supports optional air-cooling terminal and liquid-cooling supercharging terminal, providing solutions for supercharging in different scenarios.

- Main platforms are fully compatible, more than 60 platforms have been accessed, support one-click switching platforms without program updating.
- Support remote fault diagnosis, OTA upgrade for controllers, etc.
- Support various payment methods.
- Glue filling/non-glue filling modules available to provide more options for the full charging scenarios.
- DC output range of 200-1000V, system power capacity ranging from 30 to 400 kW, suitable for a wide range of electric vehicles.
- Excellent high temperature performance, ensure full load operation and fast charging.
- Multi-region linkage sampling ensures comprehensive data collection across diverse environments, safeguarding system integrity and performance.
- Power cabinet and charging terminal split design, terminal with small size, low noise, friendly HMI.
- Dynamic power distribution greatly improve the power utilization.
- 250kW terminal/600kW liquid-cooled super terminal available.



## Application Scenarios

- Taxi, online-hailing cars
- Customized shuttle bus
- Bus
- Freight vehicles Special vehicles
- Public charging station
- Enterprises and institutions
- Residence community
- Commercial complex

### Item Cabinet parameters

#### Basic index

Model	YLCES360K	YLCES480K	YLCES640K	YLCES720K	YLCES960K
Rated power	360KW	480KW	640KW	720KW	960KW
Max number of access terminals	6	12	12	12	24
Cooling method	Fan cooling				
Liquid-cooling terminal	Optional				
Dimensions (WxDxH)	1000x800x1850mm	1300x800x1950mm	2000x800x1850mm	2000x800x1850mm	2620x800x1950mm
Weight (KG)	550	690	1120	1160	1380

#### Input

Voltage	380VAC ±15%, 3P+N+PE				
Frequency	45Hz-65Hz				
Current	582A	773A	1031A	1160A	1547A
power factor	≥0.99				
ITHD	≤5%				

#### Output

Output voltage	200-1000Vdc
Constant power range	300-1000Vdc
Max efficiency	95%
Output voltage error	≤±0.5%
Output current error	≤±1%
Voltage stabilized accuracy	≤±0.5%
Current stabilized accuracy	≤±1%
Peak-peak ripple	≤±1%

#### Environment

Operating temperature	-20 ~ +50°C
Storage temperature	-40 ~ +80°C
Humidity	5~95%RH, non-condensing
Altitude	2000m no derating required; >2000m, the working temperature decreases by 1 °C for every 100m rise

### Item Terminal parameters

#### Basic index

Model	YLCET600K	YLCET250K
Rated power	600kW	250kW
No. of access terminals	1	2
Cable length	3.5m/5m	5m(customized)
Cooling method	Liquid-cooling	Fan cooling
Dimensions (WxDxH)	650mmx 350mmx 1750mm	450mmx 200mmx 1600mm
Weight (KG)	150	100 (dual), 80 (single)
HMI	7-inch color screen	
Start-up method	RFID/Credit Card/VIN/Plug&charge/Scan QR code (optional)	
Platform communication	Ethernet/4G	

#### Output

Current range (air-cooling)	0-250A per plug
Current range (liquid-cooling)	0-600A per plug
Output voltage	200-1000Vdc
Constant power range	300-1000Vdc
Max efficiency	>95%
Output voltage error	≤±0.5%
Output current error	≤±1%
Voltage stabilized accuracy	≤±0.5%
Current stabilized accuracy	≤±1%
Peak-peak ripple	≤±1%

#### Environment

Operating temperature	-20 ~ +50°C
Storage temperature	-40 ~ +80°C
Operating environment	Indoor or outdoor (IP54)
Humidity	5~95%RH, non-condensing
Altitude	2000m no derating required; >2000m, the working temperature decreases by 1 °C for every 100m rise