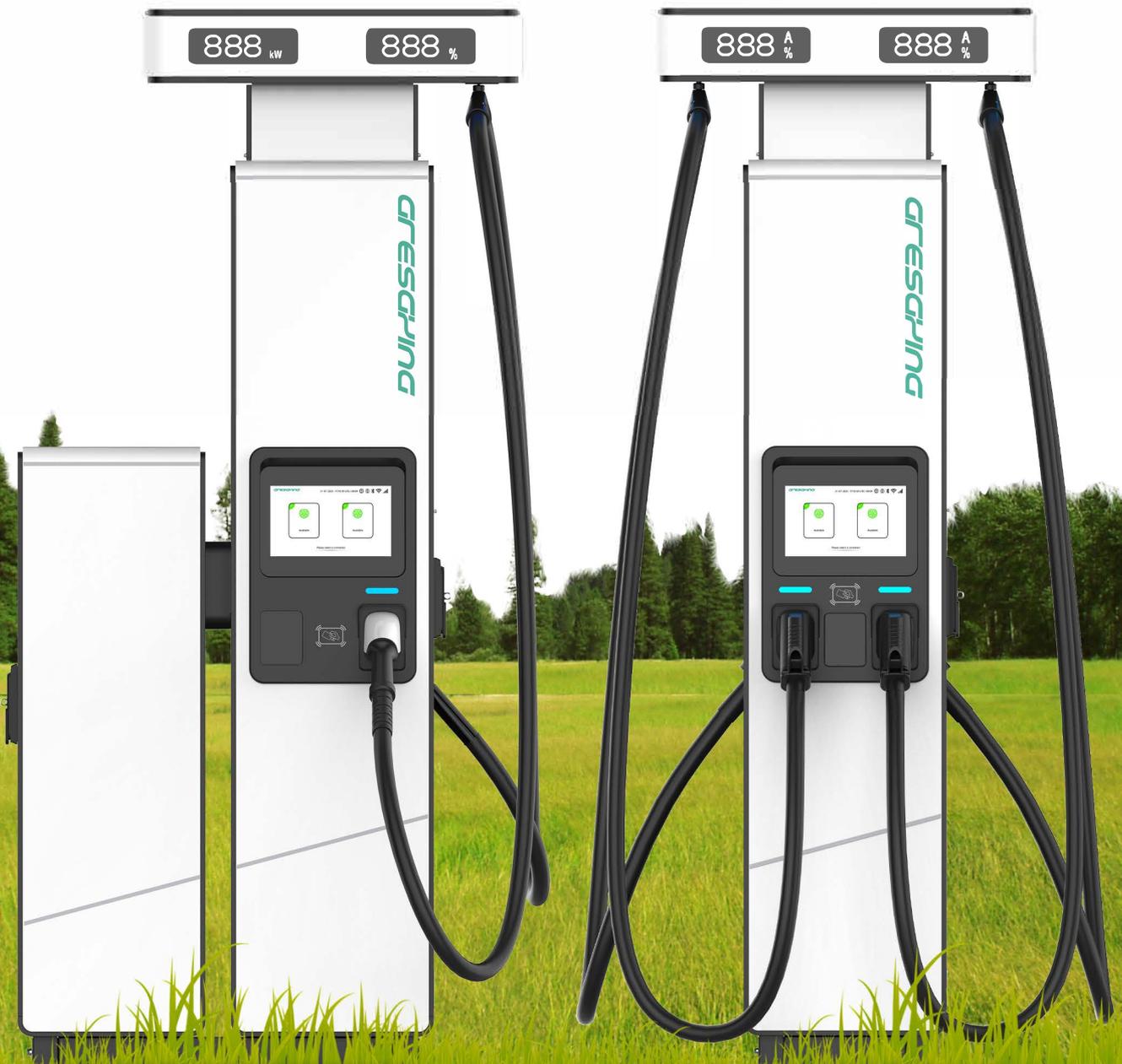


SATELLITE SYSTEM

960kW Ready, 480kW Flexible



480kW SATELLITE SYSTEM

1 Hub, Full Power, 0 Waste



Smart Distribution

Minimal investment on each charge point

- One 480kW system with dynamic power allocation for each connector
- Can support up to 12 connectors, 1600A system output, flexible configuration with boost terminals and HPC terminal
- Avoid idle power modules by routing power based on vehicle demand

Scalable Infrastructure

Future expansion in full life cycle

- Parallel power unit, expansion up to 960kW
- Upgradable configuration for full life cycle charging depot scheme
- ESS integration ready

Universal Compatibility

Futureproofing for long-term convenience and investment protection

- EAA (European Accessibility Act) Compliant
- Eichrecht & PTB compliant for public billing (German & DACH region)
- 150V-1000V DC output voltage, covering EV models for today and tomorrow
- ISO 15118 Plug & Charge ready and OCPP 2.0.1

Cloud Based Intelligent Control

Proactive remote diagnosis & OTA upgrades minimizing downtime

- OCPP1.6J fully compliant
- Dynamic load management: Improves the charging experience and optimizes energy costs

480kW SATELLITE SYSTEM

Seamlessly Expand Your Charging Capacity up to 960kW



Easily expandable to 960kW with parallel units



OCPP 1.6J fully compliant



Parallel expansion up to 960kW



Smart load management



ESS integration ready



Supports up to 12 vehicles simultaneously charging



Real-time SOC display, integrated cable management system for easy handling



Smart power distribution with 40kW power granularity

TECHNICAL SPECIFICATIONS

Model		
Model number	LCSD-480E	
Rated power	480kW	
Input Parameters		
AC rated voltage	AC400V±15%	
AC rated current	736A (368Ax2)	
Maximum AC input current	867A (433Ax2)	
Rated frequency	50 / 60Hz	
Grid types	TN-S / TN-C-S / TT	
Grid connection	3P+N+PE	
Output Parameters		
DC output voltage range	DC150~1000V	
Constant power range	DC300~1000V	
DC output current	1600A (system)	
Output connectors	8 (max. 12)	
Electrical Parameters		
Peak efficiency	≥95%	
Power factor (full load)	≥0.99	
THDi	≤5%	
Dynamic power distribution	Min. 40kW switch power	
User Interface & Control		
User authentication	APP, RFID, QR code , MAC autocharge	
HMI	10-inch touch screen	
Connectivity	Ethernet (LAN) / 4G (Sim Card Slot) / Wi-Fi	
Communication protocol	OCPP 1.6J	
Vehicle & charger communication	ISO 15118 / DIN 70121	
Terminals		
Terminal type	Booster terminal	HPC terminal
Connector	2 x CCS2 (300A)	1 x HPC 500A (600A@10mins)
Cable length	4.5m	3.5m
Dimension (WxDxH)	750mm×300mm×2100mm (product) 920mm×660mm×2320mm (package)	1000mm×300mm×2100mm (product) 1160mm×660mm×2320mm (package)
Weight	130kg (net); 205kg (gross)	160kg (net); 245kg (gross)
Cooling method	Forced air cooling	Liquid cooling
IP & IK rating	IP54,IK10	
Power Unit		
Dimension (WxDxH)	1300mm×900mm×1800mm (product)	1460mm×1055mm×1925mm (package)
Weight	660kg (net); 760kg (gross)	
Cooling method	Forced air cooling	
IP & IK rating	IP54, IK10	
Environmental Data		
Storage temperature	-40~70°C	
Operating temperature	-25~50°C (50~65°C derating)	
Operating humidity	5%~95% (no condensation)	
Altitude	≤2000m (2000~4000m derating)	
Cooling method	Forced air cooling	
Optional	Payment terminal, cable management system, Eichrecht compliant	
Certificate	Eichrecht, CE, UKCA, RED, RoHS, REACH	