VEICHI

AC800-Series

Engineering AC Drive for Multi-motors

Stock code:688698

VEICHI

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About us

VEICHI Electric (stock code: 688698) specializes in electric drive and industry control, establishing itself as a leading high-tech enterprise in the R&D, production, and sales of industrial automation products. With R&D and manufacturing facilities in Suzhou, Shenzhen, and Xi'an, along with a fully-owned subsidiary in India, VEICHI serves the global market by offering competitive, safe, and reliable products and services.

A wide range of VEICHI products and solutions tailored to various scenarios, including AC drives, servo systems, and control systems, have been acclaimed with plentiful proven applications across sectors from light to heavy industries, propelling intellectualization transformation in manufacturing. Keeping pace with development trends, VEICHI is branching into burgeoning sectors like robotics, new energy, and healthcare, introducing innovative products such as coreless motors, frameless motors, photovoltaic drives, and surgical power systems for further industrial advancement.

Abundant patented technologies with independent intellectual properties have testified VEICHI's years of dedication to independent R&D and innovation in core motor control technologies including vector control for PMSM, high-frequency pulse injection, speed tracking for start-up, high-speed field-weakening, scalar V/F and vector control, as well as silicon carbide applications, auto tuning of motor parameters, and protection functions. As of September 30, 2023, VEICHI holds 165 patents, including 44 inventions.

Throughout its history, VEICHI has made significant progress patiently but surely, earning numerous prestigious awards and certifications from national and provincial authoritative entities and organizations. These accolades include titles such as "The Third Batch of Specialized and Sophisticated 'Small Giant' Enterprises with Distinctive New Products," "High-tech Enterprises," "Jiangsu Provincial Engineering Technology Research Center," "Jiangsu Provincial Enterprise Technology Center," and "Jiangsu Provincial Industrial Internet Development Demonstration Enterprise (Benchmarking Factory Category)."

Looking forward, VEICHI will, by the business philosophy of "guided by market demand and driven by technological innovation", make breakthroughs in key core technologies for more refreshing products and explore more reassuring applications based on their competitive performance and quality, energizing the electrical drive and industrial control sector one more step further.

2005
- Business started in Shenzhen
- First generation of drive on the market

2013
- Suzhou Veichi Electric Co., Ltd established
- First generation of servo system on the market

2014
- Suzhou Veichi first-stage project put into construction

2015
- Advanced integrated product development mode (IPD) initiated

2016
- Suzhou Veichi first-stage project put into operation
- First generation of motion control system on the market

2017
- Veichi honored with New High-tech Enterprise

2018
- Veichi honored with secondary enterprise of standardized production safety among Jiangsu province

2019
- Veichi restructured to a company limited by shares
- Indian subsidiary established
- Veichi honored with Jiangsu Province Enterprise Technology Center

2020
- A-share science and technology innovation board landing successfully
- Veichi honored with Jiangsu Province Specialized and Sophisticated Enterprise That Produces New and Unique Products
- Veichi honored with Jiangsu Province Engineering Technology Research Center of Medium& high Power Drives and Servo motion Controllers

2021
- Veichi subsidiary corporation established
- Veichi honored with national -level Specialized and Sophisticated Enterprise That Produces New and Unique Products

2022
- Xi'an R&D center established
- Veichi digital energy subsidiary corporation established
- Veichi honored with AAA certificate of integrating IT application with industrialization

2023
- Suzhou Veichi second-stage project put into operation
- Suzhou Veichi third-stage project put into construction
- Veichi medical facility subsidiary established

Product Introduction

High-performance and high end AC800-Series Engineering AC drive for Multi-motors is manufactured by VEICHI Electric on years of technical accumulation and in-depth market research and demand analysis. With excellent control performance, modular design, common DC bus solution, convenient and fast debugging tools, rich expansion interfaces, multiple fault handling and protections for safe and stable operations, it provides the drive core for energy saving and emission reduction for enterprises and meet the diversified requirements of industrial enterprises .

Metallurgy
High-speed bar and strip hot strip rolling equipment, medium thick plate equipment, cold rolling mainframe, pickling line, annealing line, etc.

Petroleum
Top drive of electric drilling rig, rotary table, winch, mud pump, fracturing unit, submerged oil electric pump, oil pumping machine, etc.

Ports
On-shore container bridge crane, rubber tyred container gantry cranes, grab ship-unloaders, gantry cranes, grab portal gantry cranes, shipbuilding gantry crane, etc.

Paper making
Continuous production lines such as, of combined paper pulp equipment, including. pulping box, wire section, press section, drying section and rewinders.

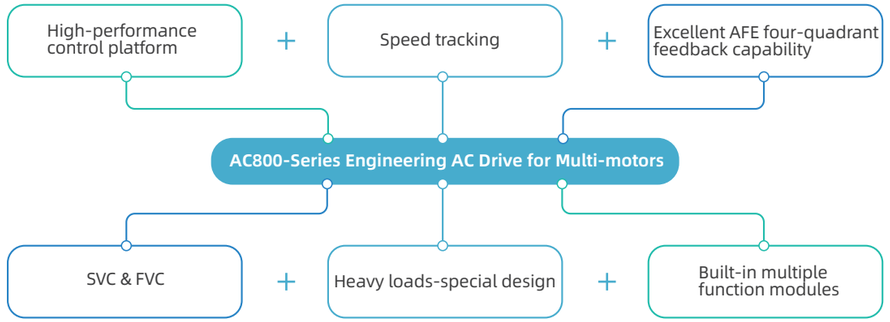
Shipping
Marine electric propulsion main and auxiliary engine system equipment, axle generator, installation vessels, winch machines, cranes, pumps, etc.

Testing
Motor test platform, battery pack test platform, etc.

Power supply
Shore power supply, energy storage feed-back power supply, and power generation feed-back power, etc.

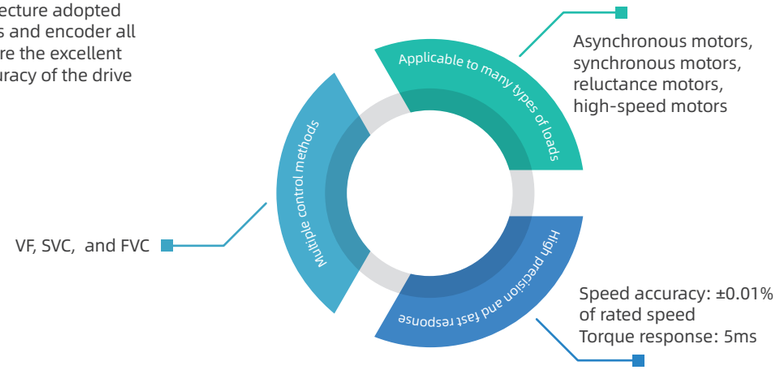
Others
Oil and gas conveying, mining belt transmission, elevator and other equipment

Outstanding Control Performance



High-performance control platform

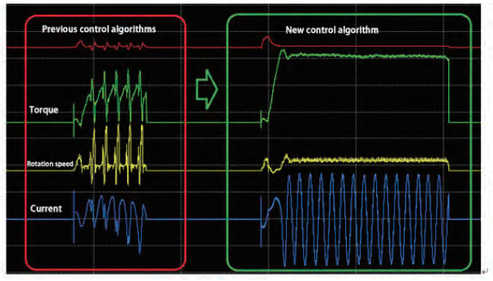
ARM+FPGA dual-chip control architecture adopted and external signals such as IO, bus and encoder all parallel processed by FPGA to ensure the excellent dynamic response and control accuracy of the drive system.



SVC and FVC

The IPM motor output of 200% of rated torque at 0Hz under open-loop control is achieved by high-frequency signal injection

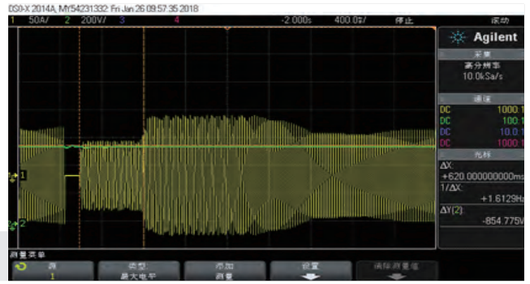
Comparison of heavy motor loads before and after high-frequency voltage injection



Rotational speed tracking

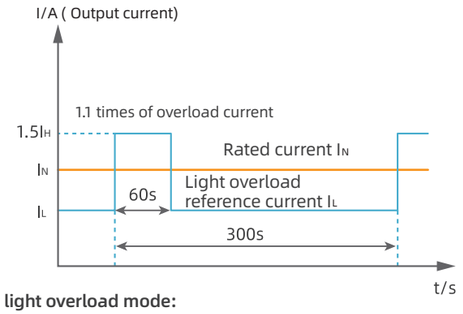
The remanence and phase can be estimated directly in regard to large inertia devices with large remanence voltage during shutdown and restart, thus they can go into rotation with pre-excitation and then accelerate.

Operation after speed tracking of large inertia load

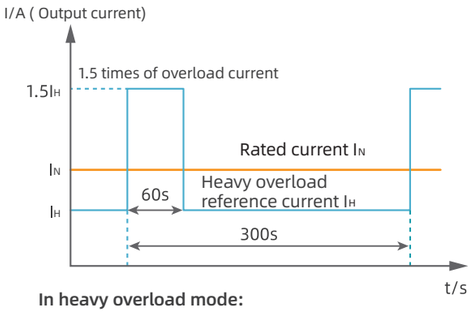


Heavy loads-special design

A more reliable selection can be made according to the site working conditions based on the definition of light and heavy load rated current.



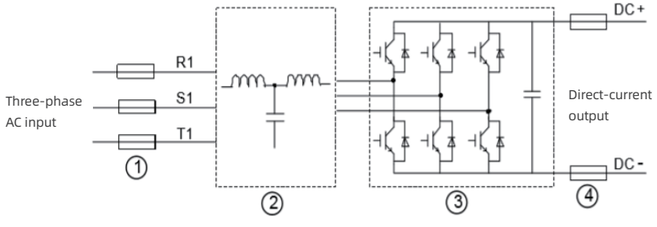
In light overload mode:
Motor output current allowed to run 1 minute with 1.1 times overload every 5 minutes

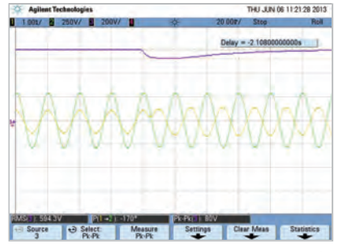


In heavy overload mode:
Motor output current allowed to run 1 minute with 1.5 times overload every 5 minutes

Excellent four-quadrant feedback capability

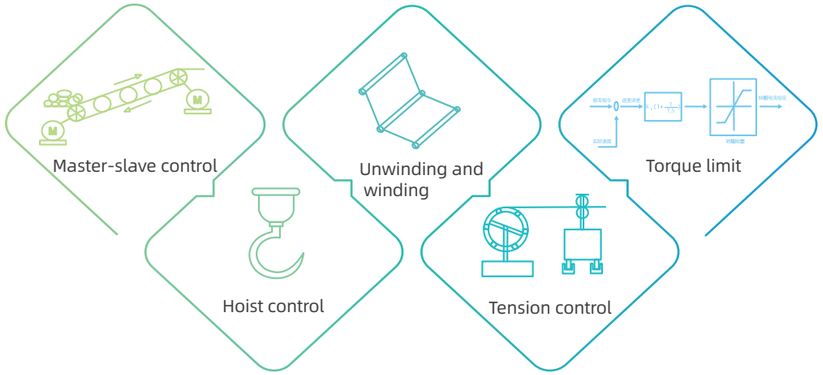
The active rectifier of the four-quadrant AC drive is equipped with LCL PWM filtering unit, which can effectively reduce the harmonic content on the grid side.





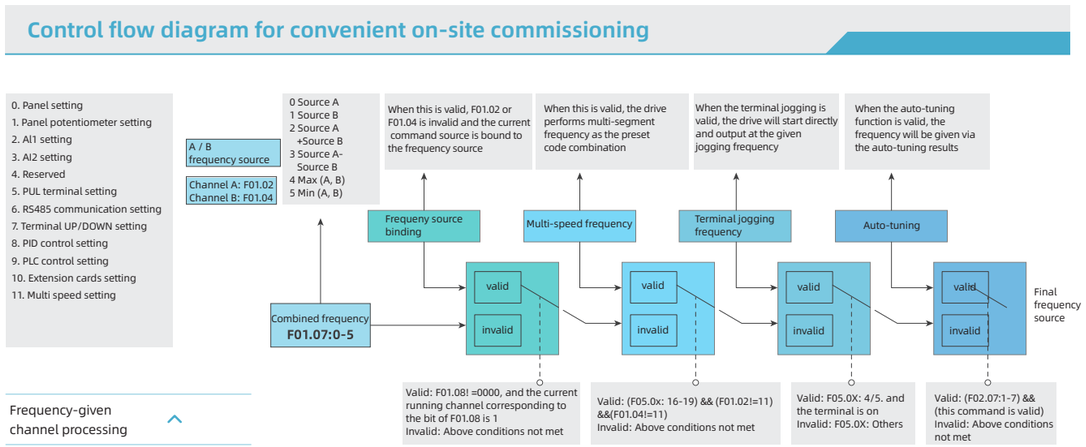
Active rectifier four-quadrant feedback current waveform

Multiple built-in modules



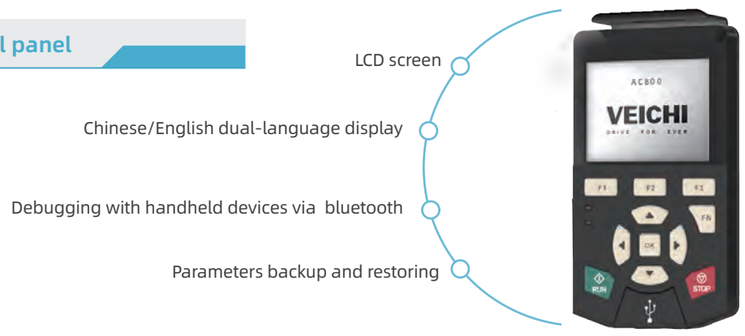
Easy Debugging Tools

Control flow diagram for convenient on-site commissioning

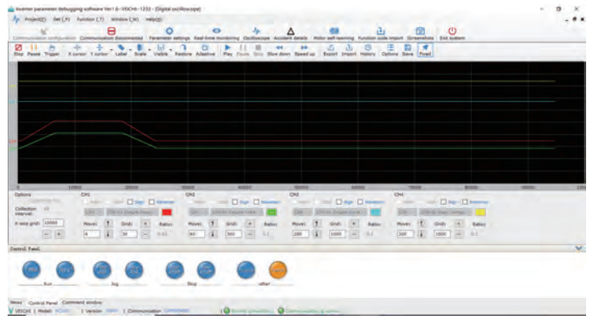


Frequency-given channel processing

Easy multi-functional panel



Debugging with upper computer according to actual conditions



- VCSoft software is user-friendly and does not require any specialized knowledge about the system.
- Through graphical interface and menu-based operation, debugging engineers can complete configuration, parameter setting, fault detection, system maintenance and service of a complex system within a short period of time.
- Trend recording of up to 8 signals simplifies the diagnosis of AC drives and optimization.
- With access to the VCU controller's internal high-speed data logger, information of 50 observed objects will be completely restored before and after the fault to help debugging engineers efficiently locate faults and thus optimize the control preciseness of the production line.

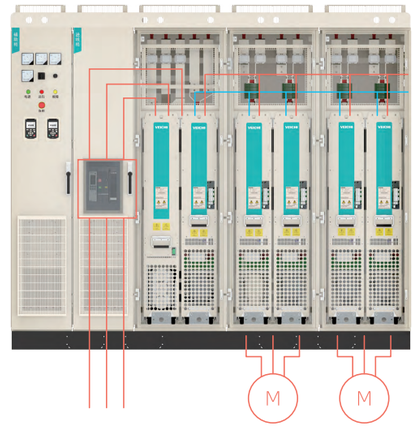
Modular Design With Common DC Busbar Solution

Modular design

- Filter, rectifier, inverter and brake are all independent and standard modules so customers can flexibly configure different modules according to the motor power.
- Book-like appearance design reduces the size of the completed cabinet (more than 30%) thus makes it easy to form a cabinet.
- Standard design is adopted to facilitate mass production and transport.

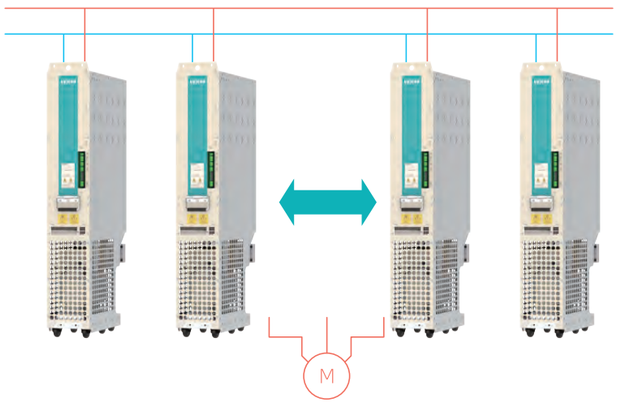
Common DC bus

- Power generation energy and operation energy between inverter modules can be exchanged through the common DC bus to saving energy about 5%-30% in the occasion of placing, winding and unwinding with loads under energy feedback.
- Rectifier module and brake module current are effectively reduced to save system capacity.
- Unified power supply by rectifier unit reduces the amount of main circuit switching devices and braking units.
- Difficulty and amount of wiring of the control system is lowered for lower cost.



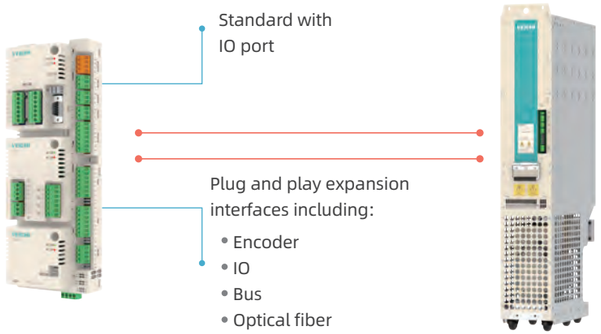
Multi-module in parallel for maximum extended power 5600kW

400V system with common DC bus and V8 unit in parallel reaches 2800kW, while 690V, 5600kW max.



Ample Expansion Interfaces

Wide coverage of Master controller VCU



The VCU module is the master controller for engineered drive products and covers all AC800 series products.

A wide range of expansion modules supported

Encoder expansion
TTL incremental type
HTL Incremental type
UVW Encoder
SIN/COS encoder
Resolver

Bus expansion
Modbus-TCP
CANopen
Profibus DP
Profinet
EtherNet

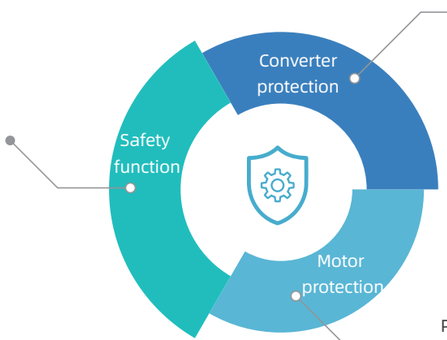
IO expansion
2AI/2AO/2DIO/RO
4DIO/2RO
2AI/2AO

Fiber optic expansion
1 pair of 50M fiber
2 pairs of 50M fiber
3 pairs of 50M fiber

Multiple fault handling and protections

A comprehensive mix of multiple protections

Optional with STO（Safe Torque Off）function with which hardware circuit detection can block the IGBT pulse output to disconnect the motor power and then prevent the motor from accidental start-up to ensure the safety of personnel and equipment.



Short circuit, overcurrent, overvoltage, undervoltage voltage, phase loss, overheat, overload, encoder disconnection, etc. up to 30 types of settings are available for protection.

PT100 for temperature detection

Fault classification and management

Faults are classified to reduce the shutdowns based on fault conditions and years of VEICHI application experience.

01 Level I
Stop and cut power to reset

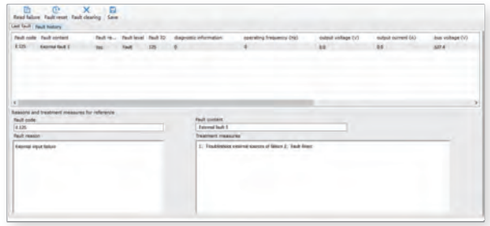
02 Level 2
Free stop

03 Level 3
Deceleration stop

04 Level 4
Derated operation

05 Level 5
Warning

06 Level 6
Fault masking



Complete fault information

Black box

Standard with SD cards to store specified waveform data for a specified period of time before and after multiple failures.

Module exit mechanism

When a module fails, it can be withdrawn online and the system runs at a reduced rate.

Quick module switch

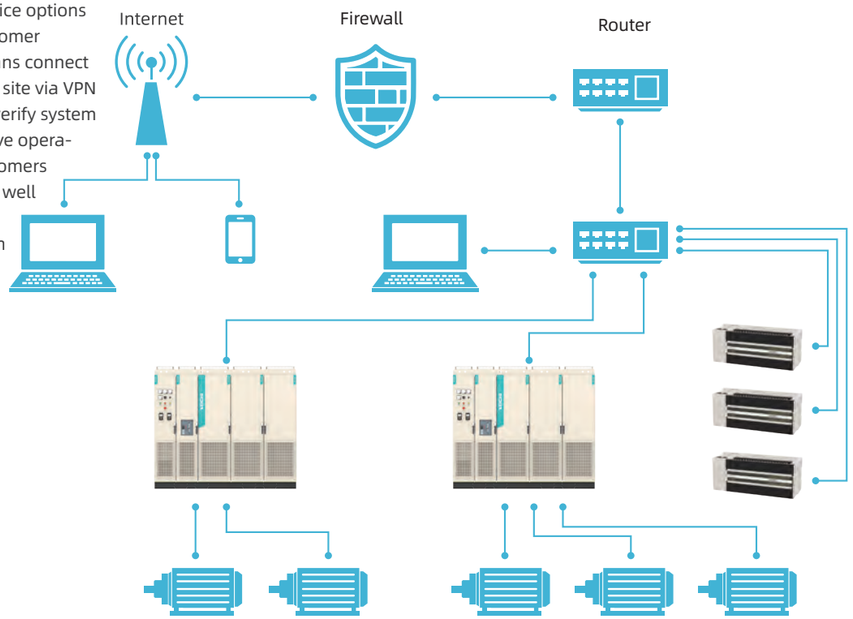
No need to replace the VCU control unit and reset parameters, faulty units can be repaired and operation can be resumed within 30min.

Fuse protection

Quick protection by fast fusion on the bus side when a unit fails.

Remote diagnosis service

Remote diagnostic service options are available. With customer authorization, technicians connect to the remote server on site via VPN to check fault records, verify system parameters, and observe operational data to help customers quickly locate faults, as well as optimize processes and improve production efficiency.



Product Naming Rules

AC800-A10-T3-0299-X

Product platform
AC800：AC800 air-cooled series
AC800LC：AC800 liquid-cooled series

Product form
S55: Basic rectifier two-quadrant single drive cabinet
S65: Feedback rectifier four-quadrant single drive cabinet
S75: Active rectifier four-quadrant single drive cabinet
M75: Multi-computer drive cabinet
D10: Basic rectifier module
R10: Feed-back rectifier module
A10: Active rectifier module
Z80: DC chopper module
I20: Inverter module
B40: Three-phase braking module

Rated voltage
T3: UN=400V(380V-460V)
T6: UN=690V (525V-690V)

Rated current
0299: Rated current 299A
Rated power for B40 series

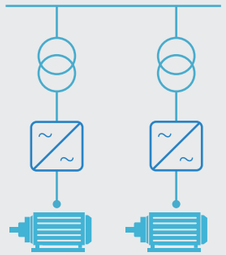
Management number
K：Module components
I：V8I module without output reactor and quick-plug interface

Technical Parameters

Items		Specifications
Basic rectifier	Input voltage 400V	400V: 380V-460V AC, 690V: 525V-690V AC, ±10%
	Input frequency range	47Hz~63Hz
	Output voltage	400V: 540V-650V DC, 690V: 740-975V DC
	Overload capacity	Light overload: 110% for 1 minute allowed every 5 minutes
		Heavy overload: 150% for 1 minute allowed every 5 minutes
	Work efficiency	≥99%
	Power factor	≥0.95 (rated current)
Feedback rectifier	Input voltage	400V: 380V-460V AC, 690V: 525V-690V AC, ±10%
	Input frequency range	47Hz~63Hz
	Output voltage	400V：540V-720V DC，690V：740V-975V DC
	Overload capacity	Light overload: 110% for 1 minute allowed every 5 minutes
		Heavy overload: 150% for 1 minute allowed every 5 minutes
	Work efficiency	≥98%
	Power factor	≥0.99 (tunable)
Active rectifier	Input voltage	400V: 380V-460V AC, 690V: 525V-690V AC, ±10%
	Input frequency range	47Hz~63Hz
	Output voltage	400V：540V～720V DC，690V：740V-975V DC
	Overload capacity	110% for 1 minute allowed every 5 minutes
		150% for 1 minute allowed every 5 minutes
	Work efficiency	≥97%
	Power factor	≥0.99 (tunable)
	Unbalanced degree	≤±3% rated line voltage
	Total harmonic content THD	THDI<5%(rated power); THDU<5%,(Rsc>20)
	Carrier frequency	Default 3kHz
Inverter module	Output frequency	0Hz~300Hz
	Control method	Frequency control (V/F), vector control with encoder (FVC), vector control without encoder (SVC)
	Speed ratio	V/F control: 1:50
		SVC control: 1:200
		FVC control: 1:1000
	Speed accuracy	SVC control: 5% rated speed difference for asynchronous motor, 0.2% rated speed for synchronous motor
		FVC control: ±0.01% rated speed
	Speed fluctuation	SVC control: ±0.2%
		FVC control: ±0.1%
	Torque response	≤5ms
	Starting torque	SVC control: 0.5Hz/150% TN
		FVC control: 0Hz/200% TN
DC chopper	Input voltage	400V: 540V -720V DC
		690V: 740V -1050V DC
	Output voltage	400V: 24V -670V DC
		690V:24V -1000V DC
	Overload capacity	Fast overload: 200% for 10s allowed every 60s; Heavy overload: 150% for 60s allowed every 300s
	Work efficiency	≥97%
	Response time	≤5ms(10%~90% of rated voltage under sudden load increase/decrease)
	Switching time	≤10ms(+90%~-90% of rated voltage under sudden switching)
	Feedback power	100%
	Voltage accuracy	LV side：≤0.1%Fs
		HV side: ≤1%Fs
	Voltage ripple（Vrms）	LV side：≤0.2%Fs
		HV side: ≤0.5%Fs
	Current accuracy	≤ 1%Fs
Functions	Protections	Short circuit, over current & voltage, undervoltage, phase loss, overheat, overload, encoder disconnection, etc.
	Standard functions	V/F & vector control, auto voltage tuning, multi-segment speed frequency , forward and reverse control, slip & torque compensation, PID control
Environmental requirements	Working temperature	-10℃-+40℃, derating when above 40℃
		Derate 1% for each 1℃ temperature rise and 50℃ max.
	Working humidity	5%-95% RH, no condensation
	Protection degree	Module: IP00; Cabinet: IP20, IP42, IP54 customizable
	Noise	≤85dB(A)
	Mounting height	< 1000m: 100% with full load (no derating)
		> 1000m: derate 1% for every 100m elevation, 4000m max.
Mechanical data	Vibration performance	Standard: Test Fc in IEC 60068-2-6
		Sinusoidal vibration：10Hz~57Hz，0.075mm；57Hz~150Hz, 10m/s
	Vibration performance	Standard: Ea test according to IEC 60068-2-27:2008
		Half sine pulse: 50m/s, 30ms
	Cooling method	Forced air cooling

Product Categories

Power grid



Single-drive system

Basic rectifier single-drive cabinet

AC800-S55 series
400V：630kW - 2800kW
690V：800kW - 5600kW

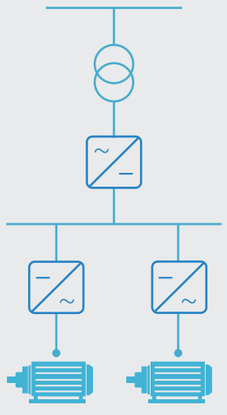
Feedback rectifier single-drive cabinet

AC800-S65 series
400V：110kW - 2800kW
690V：132kW - 5600kW

Active rectifier single-drive cabinet

AC800-S75 series
400V：55kW - 2800kW
690V：55kW - 5600kW

Power grid



Multi-motor-driven system

Basic rectifier module

AC800-D10 series
400V: 475kW-648kW
690V: 650kW-929kW

Feedback rectifier components

AC800-R10 series
400V: 141kW-600kW
690V: 181kW-1026kW

Active rectifier compound

AC800-A10 series
400V: 64kW-560kW
690V: 117kW-639kW

Inverter module

AC800-I20 series
400V: 2.2kW-500kW
690V: 55kW-710kW

DC chopper module

AC800-Z80 series
400V: 50kW-500kW
690V: 100kW-600kW

Three-phase brake module

AC800-B40 series
400V: 500kW-750kW
690V: 870kW-1300kW

Basic rectifier cabinet

AC800-D15 series
400V: 432kW-3616kW
690V: 650kW-5183kW

Feedback rectifier cabinet

AC800-R15 series
400V:381kW-3347kW
690V:685kW-5726kW

Active rectifier cabinet

AC800-A15 series
400V:355kW-3167kW
690V:437kW-6069kW

Inverter cabinet

AC800-I25 series
400V: 55kW-2800kW
690V: 55kW-5600kW

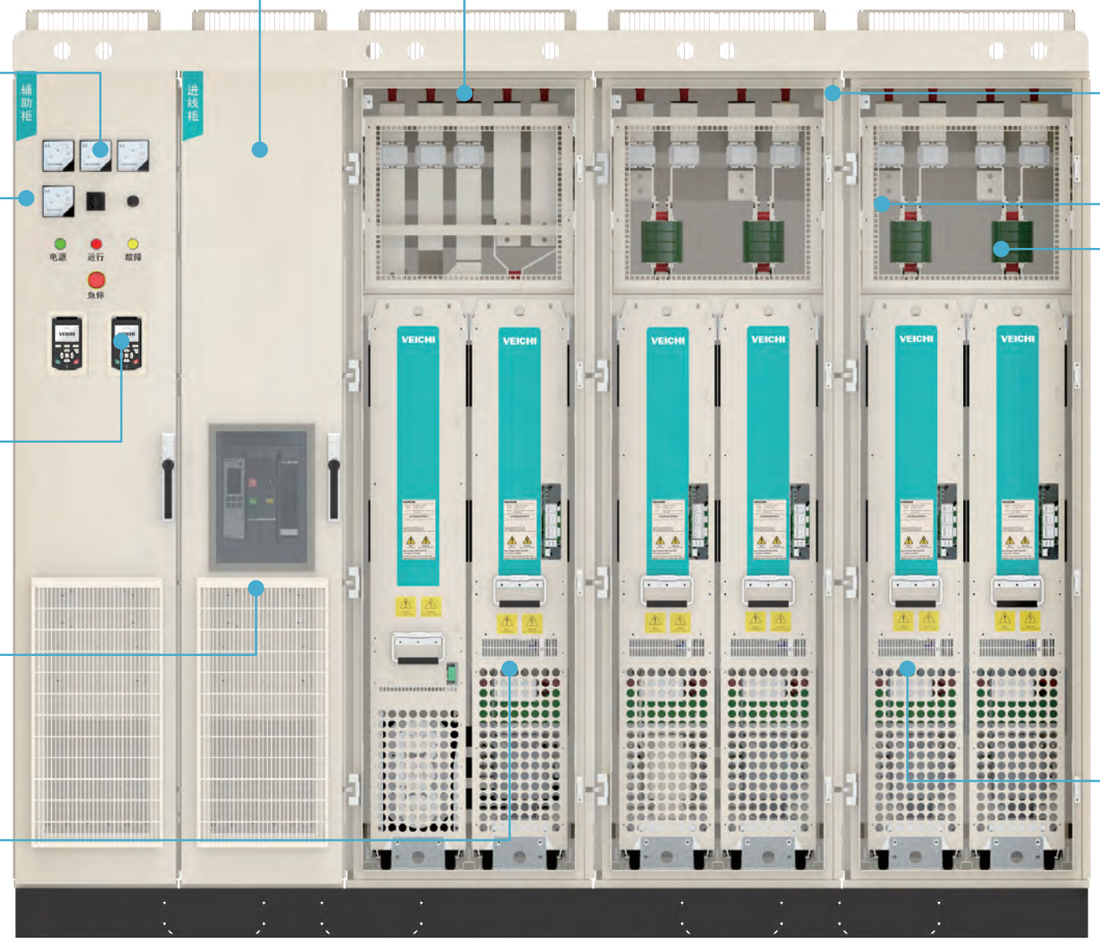
DC chopper cabinet

AC800-Z85 series
400V: 50kW-2800kW
690V: 100kW-5600kW

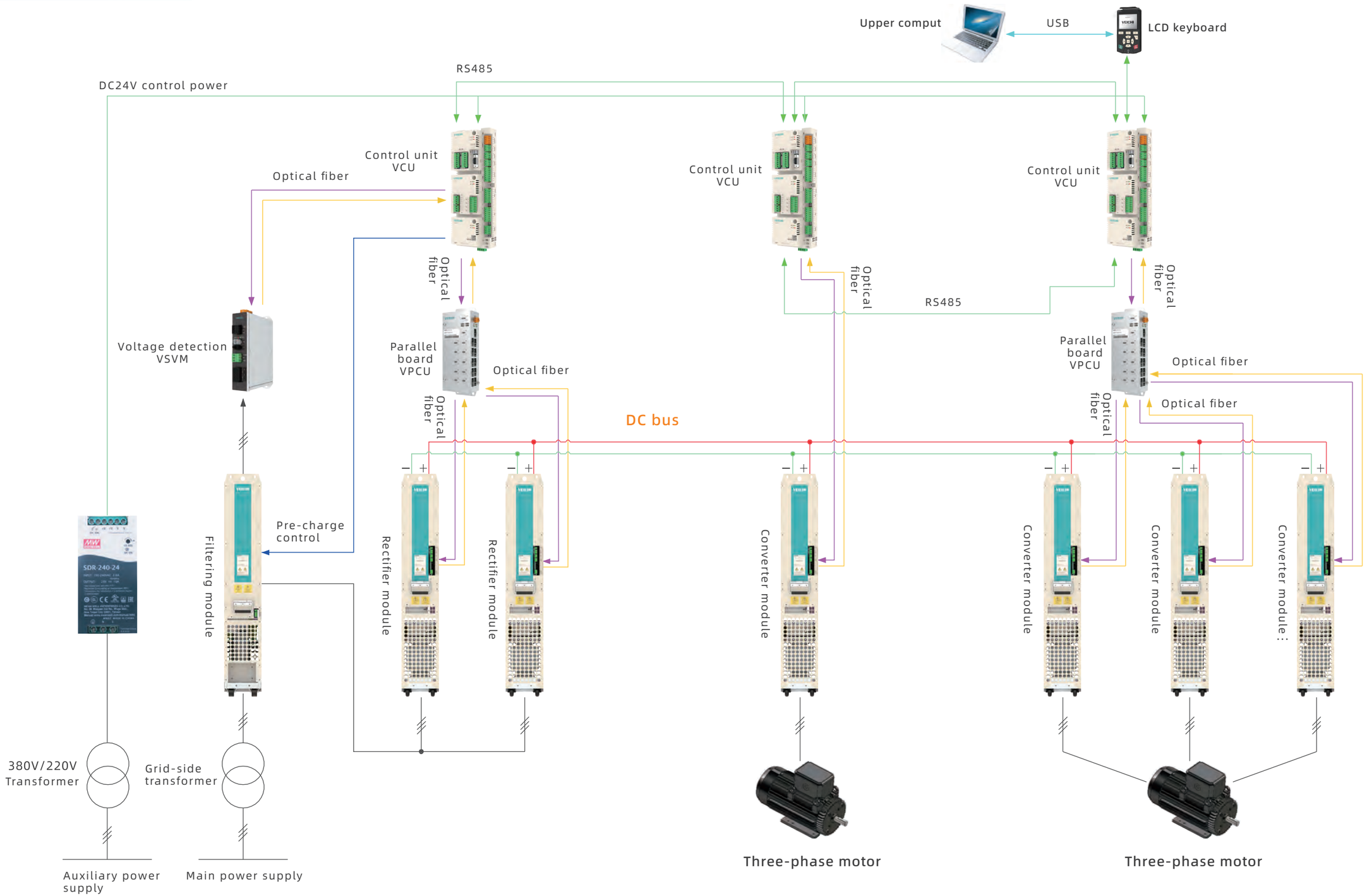
Function Modules

Module designation	Module model	Description	Interfaces to VCU
Control module	VCU-10	Active rectifier module	Fiber
	VCU-11	Active rectifier module	RS422
	VCU-20	Inverter module	Fiber
	VCU-21	Inverter module	RS422
	VCU-30	Feedback rectifier module	Fiber
	VCU-40	Basic rectifier module	Fiber
	VCU-50	Brake module	Fiber
	VCU-60	DC chopper module	Fiber
Smart panel	IOP-10-800	Without Bluetooth	RS485
	IOP-20-800	With Bluetooth	RS485
Encoder detection module	VPG-10	TTL incremental encoder signal detection	SLOT
	VPG-20	HTL incremental encoder signal detection	SLOT
	VPG-30	Sin/cos encoder signal detection	SLOT
	VPG-40	Resolver encoder signal detection	SLOT
	VPG-50	UVW encoder signal detection	SLOT
Fieldbus module	VCAN-10	CANopen bus module	SLOT
	VMBR-10	Modbus RTU bus module	SLOT
	VDP-10	PROFIBUS-DP bus	SLOT
Industrial Ethernet module	VMBT-10	Modbus TCP industrial Ethernet module	SLOT
	VPN-10	Profinet IO industrial Ethernet module	SLOT
	VETC-10	EtherNet module	SLOT
	VETN-10	EtherNet/IP industrial Ethernet	SLOT
IO expansion	VIO-10	2AI/2AO/2DIO/RO	SLOT
	VIO-20	4DIO/2RO	SLOT
Fiber optic expansion	VOFE-10	1 pair of 50M fiber	SLOT
	VOFE-20	2 pair of 50M fiber	SLOT
	VOFE-30	3 pair of 50M fiber	SLOT
Parallel expansion	VPCU-10	2-5 modules in parallel	Fiber
	VPCU-20	2-10 modules in parallel	Fiber
Function expansion	VFE-10	1 SLOT expansion	Fiber
Synchronous voltage detection module	VSVM-10	Synchronized AC voltage detection	Fiber
	VSVM-20	Synchronized DC voltage detection	Fiber
Upper computer	VCACSoft	PC debugging software	RS485

Multi-motor Drive Cabinet Structure Diagram



System topology diagram



Basic rectifier module

Model 400V: 380V-460V AC	Non-overload					Light overload		Heavy overload		Structure
	$I_{N(Aac)}$	$I_{N(Adc)}$	$I_{Max(Adc)}$	$S_{N(kVA)}$	$P_{N(kWdc)}$	$I_{Ld(Adc)}$	$P_{Ld(kWdc)}$	$I_{Hd(Adc)}$	$P_{Hd(kWdc)}$	
6-pulse										
AC800-D10-T3-0718	718	879	1142	497	475	844	456	659	356	V8T
AC800-D10-T3-0980	980	1200	1680	679	648	1152	622	898	485	V8T
AC800-D10-T3-1336	1336	1635	2126	926	883	1570	848	1226	662	2*V8T
AC800-D10-T3-1822	1822	2232	3125	1263	1205	2143	1157	1670	902	2*V8T
AC800-D10-T3-2734	2734	3348	4687	1894	1808	3214	1735	2505	1353	3*V8T
AC800-D10-T3-3645	3645	4464	6250	2525	2411	4285	2314	3341	1804	4*V8T
AC800-D10-T3-4556	4556	5580	7812	3157	3013	5357	2892	4176	2255	5*V8T
AC800-D10-T3-5467	5467	6696	9374	3788	3616	6428	3471	5009	2705	6*V8T
12-pulse										
AC800-D10-T3-1336	1336	1635	2126	926	883	1570	848	1226	662	2*V8T
AC800-D10-T3-1822	1822	2232	3125	1263	1205	2143	1157	1670	902	2*V8T
AC800-D10-T3-2674	2674	3273	4255	1853	1767	3142	1697	2455	1325	4*V8T
AC800-D10-T3-3645	3645	4464	6250	2525	2411	4285	2314	3341	1804	4*V8T
AC800-D10-T3-4008	4008	4906	6377	2649	2777	4709	2543	3679	1987	6*V8T
AC800-D10-T3-5467	5467	6696	9374	3788	3616	6428	3471	5009	2705	6*V8T

Model 690V: 525V-690V AC	Non-overload					Light overload		Heavy overload		Structure
	$I_{N(Aac)}$	$I_{N(Adc)}$	$I_{Max(Adc)}$	$S_{N(kVA)}$	$P_{N(kWdc)}$	$I_{Ld(Adc)}$	$P_{Ld(kWdc)}$	$I_{Hd(Adc)}$	$P_{Hd(kWdc)}$	
6-pulse										
AC800-D10-T6-0570	570	698	907	684	650	670	624	523	487	V8T
AC800-D10-T6-0815	815	998	1297	976	929	958	892	748	697	V8T
AC800-D10-T6-1061	1061	1299	1688	1272	1210	1247	1161	974	907	2*V8T
AC800-D10-T6-1515	1515	1854	2411	1815	1727	1780	1658	1391	1295	2*V8T
AC800-D10-T6-2273	2273	2782	3617	2724	2591	2671	2488	2087	1944	3*V8T
AC800-D10-T6-3031	3031	3710	4823	3631	3456	3561	3317	2782	2592	4*V8T
AC800-D10-T6-3788	3788	4636	6027	4538	4319	4451	4146	3477	3239	5*V8T
AC800-D10-T6-4546	4546	5564	7233	5446	5183	5341	4976	4173	3887	6*V8T
12-pulse										
AC800-D10-T6-1061	1061	1299	1688	1272	1210	1247	1161	974	907	2*V8T
AC800-D10-T6-1515	1515	1854	2411	1815	1727	1780	1658	1391	1295	2*V8T
AC800-D10-T6-2122	2122	2597	3376	2542	2419	2493	2323	1948	1814	4*V8T
AC800-D10-T6-3031	3031	3710	4823	3631	3456	3561	3317	2782	2592	4*V8T
AC800-D10-T6-4546	4546	5564	7233	5446	5183	5341	4976	4173	3887	6*V8T

Structure model	Dimension (W*D*H mm)	Weight (kg)
V8T	230*584*1380	≤207

Note:

IN(Aac): Rated input current

IN(Adc): Rated output current

PN(kW): Rated output power

Light overload: 110% for 1 minute every 5 minutes

Heavy overload: 150% for 1 minute every 5 minutes

Feedback rectifier component

Model 400V:380V-460V AC	Non-overload					Light overload		Heavy overload		Structure
	$I_{N(Aac)}$	$I_{N(Adc)}$	$I_{Max(Adc)}$	$S_{N(kVA)}$	$P_{N(kWdc)}$	$I_{Ld(Adc)}$	$P_{Ld(kWdc)}$	$I_{Hd(Adc)}$	$P_{Hd(kWdc)}$	
AC800-R10-T3-0213-K	213	261	340	148	141	251	136	196	106	L+V6
AC800-R10-T3-0259-K	259	317	412	179	171	305	164	238	128	L+V6
AC800-R10-T3-0324-K	324	398	517	225	215	382	206	298	161	L+V7
AC800-R10-T3-0381-K	381	467	607	264	252	448	242	350	189	L+V7
AC800-R10-T3-0486-K	486	595	773	336	321	571	308	446	241	L+V7
AC800-R10-T3-0576-K	576	705	917	399	381	677	366	529	286	L+V8
AC800-R10-T3-0648-K	648	794	1032	449	429	762	411	595	321	L+V8
AC800-R10-T3-0729-K	729	893	1161	505	482	857	463	670	362	L+V8
AC800-R10-T3-0907-K	907	1111	1444	628	600	1066	576	833	450	L+V8
AC800-R10-T3-1071-K	1071	1312	1705	742	708	1259	680	984	531	L+2*V8
AC800-R10-T3-1205-K	1205	1476	1919	835	797	1417	765	1107	598	L+2*V8
AC800-R10-T3-1356-K	1356	1661	2159	939	897	1595	861	1246	673	L+2*V8
AC800-R10-T3-1686-K	1686	2066	2686	1168	1116	1984	1071	1550	837	L+2*V8
AC800-R10-T3-2141-K	2141	2623	3410	1483	1417	2518	1360	1967	1062	2* (L+2V8)
AC800-R10-T3-2241-K	2241	2746	3570	1553	1483	2636	1423	2059	1112	2* (L+2V8)
AC800-R10-T3-2711-K	2711	3322	4319	1879	1794	3189	1722	2492	1345	2* (L+2V8)
AC800-R10-T3-3373-K	3373	4132	5372	2337	2232	3967	2142	3099	1674	2* (L+2V8)
AC800-R10-T3-5059-K	5059	6199	8058	3505	3347	5951	3213	4649	2510	3* (L+2V8)

Model 690V:525V-690V AC	Non-overload					Light overload		Heavy overload		Structure
	$I_{N(Aac)}$	$I_{N(Adc)}$	$I_{Max(Adc)}$	$S_{N(kVA)}$	$P_{N(kWdc)}$	$I_{Ld(Adc)}$	$P_{Ld(kWdc)}$	$I_{Hd(Adc)}$	$P_{Hd(kWdc)}$	
AC800-R10-T6-0212-K	158	193	251	189	181	186	174	145	136	L+V6
AC800-R10-T6-0257-K	211	258	335	252	241	247	231	193	181	L+V6
AC800-R10-T6-0321-K	239	291	379	285	272	280	262	218	204	L+V7
AC800-R10-T6-0377-K	297	362	471	355	339	348	325	272	254	L+V7
AC800-R10-T6-0481-K	374	456	593	447	427	438	410	342	320	L+V7
AC800-R10-T6-0600-K	600	734	954	717	685	705	658	551	514	L+V8
AC800-R10-T6-0900-K	900	1102	1433	1076	1026	1058	985	827	770	L+V8
AC800-R10-T6-1116-K	1116	1366	1776	1334	1272	1311	1221	1025	954	L+2*V8
AC800-R10-T6-1674-K	1674	2049	2664	2001	1909	1967	1833	1537	1432	L+2*V8
AC800-R10-T6-2232-K	2232	2732	3552	2667	2545	2623	2443	2049	1909	2*(L+2*V8)
AC800-R10-T6-3348-K	3348	4098	5327	4001	3817	3934	3664	3074	2863	2*(L+2*V8)
AC800-R10-T6-5022-K	5022	6147	7991	6002	5726	5901	5497	4610	4295	3*(L+2*V8)

Structure model	Dimension (W*D*H mm)	Weight (kg)
L+V6	420*455*1055	≤169
L+V7	445*500*1100	≤262
L+V8	493*584*1380	≤420

Note:

IN(Aac): Rated input current

IN(Adc): Rated output current

PN(kW): Rated output power

Light overload: 110% for 1 minute every 5 minutes

Heavy overload: 150% for 1 minute every 5 minutes

Heavy overload applications: IHd refers to continuous current. 1 minute of overload is allowed every 5 minutes at 40℃, with an overload current of 150%*Ihd

Active rectifier compound

Model 400V:380V-460V AC	Non-overload					Light overload		Heavy overload		Structure
	IN(Aac)	IN(Adc)	IMax(Adc)	SN(kVA)	PN(kWdc)	ILd(Adc)	PLd(kWdc)	IHd(Adc)	PHd(kWdc)	
AC800-A10-T3-0094-K	94	107	140	65	64	103	62	81	48	LCL+V3
AC800-A10-T3-0116-K	116	133	172	90	89	126	86	101	60	LCL+V3
AC800-A10-T3-0149-K	149	170	221	103	102	164	98	128	77	LCL+V3
AC800-A10-T3-0192-K	192	220	286	133	132	211	127	165	100	LCL+V6
AC800-A10-T3-0233-K	233	267	347	162	160	256	154	200	120	LCL+V6
AC800-A10-T3-0292-K	292	333	433	202	200	320	192	250	150	LCL+V7
AC800-A10-T3-0343-K	343	392	509	237	235	376	226	294	176	LCL+V7
AC800-A10-T3-0437-K	437	500	650	303	300	480	288	375	225	LCL+V7
AC800-A10-T3-0518-K	518	592	769	359	355	568	341	444	266	LCL+V8
AC800-A10-T3-0583-K	583	667	867	404	400	640	384	500	300	LCL+V8
AC800-A10-T3-0656-K	656	750	975	455	450	720	432	563	338	LCL+V8
AC800-A10-T3-0816-K	816	933	1213	566	560	896	538	700	420	LCL+V8
AC800-A10-T3-0963-K	963	1101	1431	667	660	1056	634	825	495	LCL+2*V8
AC800-A10-T3-1125-K	1125	1364	1773	779	772	1309	741	1020	577	LCL+2*V8
AC800-A10-T3-1220-K	1220	1395	1814	845	837	1339	804	1046	628	LCL+2*V8
AC800-A10-T3-1584-K	1584	1921	2497	1097	1086	1884	1043	1437	813	LCL+2*V8
AC800-A10-T3-1927-K	1927	2202	2861	1334	1321	2113	1268	1651	990	2* (LCL+2*V8)
AC800-A10-T3-2250-K	2250	2728	3546	1558	1544	2618	1482	2040	1154	2* (LCL+2*V8)
AC800-A10-T3-2440-K	2440	2790	3627	1691	1674	2678	1607	2093	1256	2* (LCL+2*V8)
AC800-A10-T3-3105-K	3105	3765	4894	2151	2130	3614	2045	2816	1593	2* (LCL+2*V8)
AC800-A10-T3-4617-K	4617	5598	7278	3199	3167	5374	3040	4187	2369	3* (LCL+2*V8)

Model 690V: 525V-690V AC	Non-overload					Light overload		Heavy overload		Structure
	IN(Aac)	IN(Adc)	IMax(Adc)	SN(kVA)	PN(kWdc)	ILd(Adc)	PLd(kWdc)	IHd(Adc)	PHd(kWdc)	
AC800-A10-T6-0099-K	99	113	147	118	117	107	110	83	86	LCL+V6
AC800-A10-T6-0270-K	270	308	400	323	319	296	299	227	234	LCL+V7
AC800-A10-T6-0369-K	369	422	548	441	437	405	419	316	327	LCL+V8
AC800-A10-T6-0540-K	540	617	802	645	639	593	613	463	479	LCL+V8
AC800-A10-T6-0701-K	701	801	1042	838	829	769	796	601	622	LCL+2*V8
AC800-A10-T6-1026-K	1026	1173	1525	1226	1214	1126	1165	880	910	LCL+2*V8
AC800-A10-T6-1402-K	1402	1603	2083	1676	1659	1539	1592	1202	1244	2* (LCL+2*V8)
AC800-A10-T6-2052-K	2052	2346	3049	2452	2428	2252	2331	1759	1821	2* (LCL+2*V8)
AC800-A10-T6-3078-K	3078	3519	4574	3678	3642	3378	3496	2639	2731	3* (LCL+2*V8)
AC800-A10-T6-4104-K	4104	4691	6099	4905	4856	4504	4661	3519	3642	4* (LCL+2*V8)
AC800-A10-T6-5130-K	5130	5864	7623	6131	6069	5630	5827	4398	4552	5* (LCL+2*V8)

Structure model	Dimension (W*D*H mm)	Weight (kg)
LCL+V3	440*400*550	≤78
LCL+V6	420*455*1055	≤169
LCL+V7	445*500*1100	≤262
LCL+V8	493*584*1380	≤420

Note:

IN(Aac): Rated input current

IN(Adc): Rated output current

PN(kW): Rated output power

Light overload: 110% for 1 minute every 5 minutes

Heavy overload: 150% for 1 minute every 5 minutes

Inverter module

Model 400V: 380v-460V AC	Non-overload			Light overload		Heavy overload		Structure
	IN(Aac)	IMax(Aac)	PN(kW)	ILd(Aac)	PLd(kWac)	IHd(Aac)	PHd(kWac)	
AC800-I20-T3-0005	5	6	2.2	5	2.2	3.8	1.5	V2
AC800-I20-T3-0007	7	8	4	7	3.7	5.1	2.2	V2
AC800-I20-T3-0012	12	14	5.5	12	5.5	9	4	V2
AC800-I20-T3-0017	17	21	7.5	17	7.5	13	5.5	V2
AC800-I20-T3-0023	23	27	11	22	11	17	7.5	V2
AC800-I20-T3-0033	33	40	15	32	15	25	11	V2
AC800-I20-T3-0038	38	51	18.5	37	18.5	32	15	V2
AC800-I20-T3-0049	49	59	22	47	22	37	18.5	V2
AC800-I20-T3-0060	60	72	30	58	30	45	22	V2
AC800-I20-T3-0080	80	96	37	77	37	60	30	V2
AC800-I20-T3-0094	94	120	45	91	45	75	37	V2
AC800-I20-T3-0116	116	146	55	112	55	91	45	V3
AC800-I20-T3-0149	149	179	75	143	75	112	55	V3
AC800-I20-T3-0183	183	240	90	176	90	150	75	V3
AC800-I20-T3-0240	240	294	110	230	110	180	90	V6
AC800-I20-T3-0300	300	358	132	288	132	225	110	V6
AC800-I20-T3-0350	350	419	160	336	160	263	132	V7
AC800-I20-T3-0396	396	486	200	380	200	297	160	V7
AC800-I20-T3-0518	518	619	250	497	250	389	200	V7
AC800-I20-T3-0600	600	732	315	576	280	450	250	V8
AC800-I20-T3-0670	670	825	355	643	315	503	280	V8
AC800-I20-T3-0758	758	910	400	728	400	569	315	V8
AC800-I20-T3-0900	900	1080	500	864	450	675	355	V8
AC800-I20-T3-1164	1164	1420	630	1117	500	873	450	2*V8
AC800-I20-T3-1313	1313	1576	630	1261	630	985	500	2*V8
AC800-I20-T3-1486	1486	1783	800	1426	800	1114	630	2*V8
AC800-I20-T3-1764	1764	2117	1000	1693	900	1323	710	2*V8
AC800-I20-T3-2217	2217	2661	1200	2128	1200	1663	900	3*V8
AC800-I20-T3-2619	2619	3143	1400	2514	1400	1964	1000	3*V8
AC800-I20-T3-3456	3456	4147	1800	3318	1800	2592	1400	4*V8
AC800-I20-T3-4298	4298	5157	2400	4126	2000	3223	1800	5*V8
AC800-I20-T3-5130	5130	6156	2800	4925	2400	3848	2000	6*V8

Model 690V: 525V-690V AC	Non-overload			Light overload		Heavy overload		Structure
	IN(Aac)	IMax(Aac)	PN(kW)	ILd(Aac)	PLd(kWac)	IHd(Aac)	PHd(kWac)	
AC800-I20-T6-0062	62	74	55	60	55	46	45	V6
AC800-I20-T6-0082	82	98	75	79	75	61	55	V6
AC800-I20-T6-0099	99	118	90	95	90	74	75	V6
AC800-I20-T6-0125	125	150	110	120	110	94	90	V6
AC800-I20-T6-0144	144	173	132	138	132	108	110	V6
AC800-I20-T6-0192	192	230	160	184	160	144	132	V6
AC800-I20-T6-0217	217	259	200	215	200	162	160	V7
AC800-I20-T6-0270	270	323	250	260	250	202	200	V7
AC800-I20-T6-0340	340	408	315	326	315	255	250	V7
AC800-I20-T6-0410	410	492	400	394	355	308	315	V8
AC800-I20-T6-0530	530	636	500	509	450	398	355	V8
AC800-I20-T6-0600	600	720	560	576	560	450	400	V8
AC800-I20-T6-0650	650	780	630	624	560	488	450	V8
AC800-I20-T6-0721	721	865	710	692	630	541	560	V8
AC800-I20-T6-0779	779	935	800	748	710	584	560	2*V8
AC800-I20-T6-1007	1007	1208	1000	967	900	755	710	2*V8
AC800-I20-T6-1140	1140	1368	1100	1094	1000	855	800	2*V8
AC800-I20-T6-1235	1235	1482	1200	1186	1100	926	900	2*V8
AC800-I20-T6-1370	1370	1644	1300	1315	1200	1027	1000	2*V8
AC800-I20-T6-1510	1510	1813	1400	1450	1400	1133	1100	3*V8
AC800-I20-T6-1710	1710	2052	1600	1642	1600	1283	1200	3*V8
AC800-I20-T6-1853	1853	2223	1800	1778	1700	1389	1300	3*V8
AC800-I20-T6-2050	2050	2466	2000	1973	1900	1541	1500	3*V8
AC800-I20-T6-2280	2280	2736	2000	2189	2000	1710	1600	4*V8
AC800-I20-T6-2470	2470	2964	2400	2371	2300	1853	1800	4*V8
AC800-I20-T6-2740	2740	3288	2700	2630	2600	2055	2000	4*V8
AC800-I20-T6-3088	3088	3705	3000	2964	2900	2316	2300	5*V8
AC800-I20-T6-3425	3425	4110	3400	3288	3200	2569	2500	5*V8
AC800-I20-T6-3705	3705	4446	3600	3557	3500	2779	2700	6*V8
AC800-I20-T6-4110	4110	4932	4000	3945	3900	3082	3000	6*V8
AC800-I20-T6-4323	4323	5187	4300	4150	4100	3242	3200	7*V8
AC800-I20-T6-4795	4795	5754	4700	4603	4500	3596	3500	7*V8
AC800-I20-T6-4940	4940	5928	4900	4742	4700	3705	3600	8*V8
AC800-I20-T6-5480	5480	6576	5400	5260	5200	4110	4000	8*V8

Structure model	Dimension (W*D*H mm)	Weight (kg)
V2	100*413*415	≤9
V3	200*413*415	≤18
V6	180*420*820	≤38
V7	180*460*920	≤52
V8	230*584*1380	≤142

Note:

IN(Aac): Rated output current

PN(kW): Rated output power

Light overload: 110% for 1 minute every 5 minutes

Heavy overload: 150% for 1 minute every 5 minutes

DC chopper module

Model 400V：380V-460V AC	Non-overload			Fast overload		Heavy overload		Structure
	$V_{N(Vdc)}$	$I_{N(Adc)}$	$P_{N(kW)}$	$I_{N(Adc)}$	$P_{N(kW)}$	$I_{N(Adc)}$	$P_{N(kW)}$	
AC800-Z80-T3-0100	500	100	50	75	38	85	43	V2
AC800-Z80-T3-0200	500	200	100	150	75	170	85	V3
AC800-Z80-T3-0300	500	300	150	225	113	255	128	V3
AC800-Z80-T3-0400	500	400	200	300	150	340	170	V6
AC800-Z80-T3-0500	500	500	250	375	188	425	213	V7
AC800-Z80-T3-0600	500	600	300	450	225	510	255	V7
AC800-Z80-T3-0800	500	800	400	600	300	680	340	V8I
AC800-Z80-T3-1000	500	1000	500	750	375	850	425	V8I

Model 690V: 525V-690V AC	Non-overload			Fast overload		Heavy overload		Structure
	$V_{N(Vdc)}$	$I_{N(Adc)}$	$P_{N(kW)}$	$I_{N(Adc)}$	$P_{N(kW)}$	$I_{N(Adc)}$	$P_{N(kW)}$	
AC800-Z80-T6-0100	1000	100	100	75	75	85	85	V6
AC800-Z80-T6-0200	1000	200	200	150	150	170	170	V6
AC800-Z80-T6-0300	1000	300	300	225	225	255	255	V8I
AC800-Z80-T6-0400	1000	400	400	300	300	340	340	V8I
AC800-Z80-T6-0500	1000	500	500	375	375	425	425	V8I
AC800-Z80-T6-0600	1000	600	600	450	450	510	510	V8I

Note:

VN(Vdc): Rated input voltage; IN(Adc): Rated output current; PN(kW): Rated output power; Fast overload: 200% for 10 seconds per minute;
Heavy overload: 150% for 1 minute per 5 minute

Three-phase brake module

Model 400V: 380V-460V AC	Braking resistance (Single-phase)		Braking threshold	Non-overload			Cycle load（1min/5min）			Structure
	Ω		V	I_{dc}	I_{rms}	P	I_{dc}	I_{rms}	P	
				Adc	Aac	kW	Adc	Aac	kW	
AC800-B40-T3-0500	Rmin	1.7	653	781	310	500	999	351	640	V8B
	Rmax	2.1		781	282	500	827	291	530	
AC800-B40-T3-0750	Rmin	1.2		1171	465	750	1499	527	960	V8B
	Rmax	1.4		1171	424	750	1241	436	800	

Model 690V: 525V-690V AC	Braking resistance (Single-phase)		Braking threshold	Non-overload			Cycle load（1min/5min）			Structure
	Ω		V	I_{dc}	I_{rms}	P	I_{dc}	I_{rms}	P	
				Adc	Aac	kW	Adc	Aac	kW	
AC800-B40-T6-0870	Rmin	3	1126	781	310	870	999	351	1100	V8B
	Rmax	3.6		781	283	870	833	293	920	
AC800-B40-T6-1300	Rmin	2		1171	465	1300	1499	527	1660	V8B
	Rmax	2.4		1171	425	1300	1249	439	1390	

Liquid cooling module

Liquid cooling diode rectifier module 690V: 525V-690V AC	Non-overload				Light-overload		Heavy overload		Structure
	$I_{N(Aac)}$	$I_{N(Adc)}$	$S_{N(kVA)}$	$P_{N(kW)}$	$I_{N(Adc)}$	$P_{N(kW)}$	$I_{N(Adc)}$	$P_{N(kW)}$	
AC800LC-D10-T6-2000-D	2000	2440	2391	2274	2342	2182	1952	1819	V3T

Liquid-cooled active rectifier module 690V: 525V-690V AC	Non-overload				Light-overload		Heavy overload		Structure
	$I_{N(Aac)}$	$I_{N(Adc)}$	$S_{N(kVA)}$	$P_{N(kW)}$	$I_{N(Adc)}$	$P_{N(kW)}$	$I_{N(Adc)}$	$P_{N(kW)}$	
AC800LC-A10-T6-0530	530	606	633	627	581	601	484	501	V8L
AC800LC-A10-T6-0650	650	743	777	769	713	738	594	615	V8L

Liquid-cooled active rectifier module 690V: 525V-690V AC	Non-overload		Light-overload		Heavy overload		Structure
	$I_{N(Aac)}$	$P_{N(kW)}$	$I_{N(Aac)}$	$P_{N(kW)}$	$I_{N(Aac)}$	$P_{N(kW)}$	
AC800LC-I20-T6-0340	340	315	326	315	255	250	V8L
AC800LC-I20-T6-0530	530	500	509	450	398	355	V8L
AC800LC-I20-T6-0650	650	630	624	560	488	450	V8L
AC800LC-I20-T6-0721	721	710	692	630	541	560	V8L

Basic rectifier two-quadrant single-drive cabinet

Model 400V: 380V-460V AC	Non-overload		Light overload		Heavy overload	
	Current(A)	Power (kW)	Current(A)	Power (kW)	Current(A)	Power (kW)
AC800-S55-T3-1313	1313	630	1261	630	985	500
AC800-S55-T3-1486	1486	800	1426	800	1114	630
AC800-S55-T3-1764	1764	1000	1693	900	1323	710
AC800-S55-T3-2217	2217	1200	2128	1200	1663	900
AC800-S55-T3-2619	2619	1400	2514	1400	1964	1000
AC800-S55-T3-3456	3456	1800	3318	1800	2592	1400
AC800-S55-T3-4298	4298	2400	4126	2000	3223	1800
AC800-S55-T3-5130	5130	2800	4925	2400	3848	2000

Model 690V: 525V-690V AC	Non-overload		Light overload		Heavy overload	
	Current(A)	Power (kW)	Current(A)	Power (kW)	Current(A)	Power (kW)
AC800-S55-T6-0779	779	800	748	710	584	560
AC800-S55-T6-1007	1007	1000	967	900	755	710
AC800-S55-T6-1140	1140	1100	1094	1000	855	800
AC800-S55-T6-1235	1235	1200	1186	1100	926	900
AC800-S55-T6-1370	1370	1300	1315	1200	1027	1000
AC800-S55-T6-1710	1710	1600	1642	1600	1283	1200
AC800-S55-T6-2280	2280	2000	2189	2000	1710	1600
AC800-S55-T6-2740	2740	2700	2630	2600	2055	2000
AC800-S55-T6-3080	3088	3000	2964	2900	2316	2300
AC800-S55-T6-3705	3705	3600	3557	3500	2779	2700
AC800-S55-T6-4110	4110	4000	3945	3900	3082	3000
AC800-S55-T6-4323	4323	4300	4150	4100	3242	3200
AC800-S55-T6-4940	4940	4900	4742	4700	3705	3600
AC800-S55-T6-5480	5480	5400	5260	5200	4110	4000

Active rectifier four-quadrant single-drive cabinet

Model 400V: 380V-460V AC	Non-overload		Light overload		Heavy overload	
	Current(A)	Power (kW)	Current(A)	Power (kW)	Current(A)	Power (kW)
AC800-S75-T3-0121	121	55	116	55	91	45
AC800-S75-T3-0149	149	75	143	75	112	55
AC800-S75-T3-0200	200	90	192	90	150	75
AC800-S75-T3-0240	240	110	230	110	180	90
AC800-S75-T3-0300	300	132	288	132	225	110
AC800-S75-T3-0350	350	160	336	160	263	132
AC800-S75-T3-0396	396	200	380	200	297	160
AC800-S75-T3-0518	518	250	497	250	389	200
AC800-S75-T3-0600	600	315	576	280	450	250
AC800-S75-T3-0670	670	355	643	315	503	280
AC800-S75-T3-0758	758	400	728	400	569	315
AC800-S75-T3-0900	900	500	864	450	675	355
AC800-S75-T3-1164	1164	630	1117	500	873	450
AC800-S75-T3-1313	1313	710	1261	630	985	500
AC800-S75-T3-1486	1486	800	1426	800	1114	630
AC800-S75-T3-1764	1764	1000	1693	900	1323	710
AC800-S75-T3-1960	1960	1100	1882	1000	1470	800
AC800-S75-T3-2217	2217	1200	2128	1200	1663	900
AC800-S75-T3-2619	2619	1400	2514	1400	1964	1000
AC800-S75-T3-3456	3456	1800	3318	1800	2592	1400
AC800-S75-T3-4298	4298	2400	4126	2000	3223	1800
AC800-S75-T3-5130	5130	2800	4925	2400	3848	2000

Model 690V: 525V-490V AC	Non-overload		Light overload		Heavy overload	
	Current(A)	Power (kW)	Current(A)	Power (kW)	Current(A)	Power (kW)
AC800-S75-T6-0062	62	55	60	55	46	45
AC800-S75-T6-0082	82	75	79	75	61	55
AC800-S75-T6-0099	99	90	95	90	74	75
AC800-S75-T6-0125	125	110	120	110	94	90
AC800-S75-T6-0144	144	132	138	132	108	110
AC800-S75-T6-0192	192	160	184	160	144	132
AC800-S75-T6-0217	217	200	215	200	162	160
AC800-S75-T6-0270	270	250	260	250	202	200
AC800-S75-T6-0340	340	315	326	315	255	250
AC800-S75-T6-0410	410	400	394	355	308	315
AC800-S75-T6-0530	530	500	509	450	398	355
AC800-S75-T6-0600	600	560	576	560	450	400
AC800-S75-T6-0650	650	630	624	560	488	450
AC800-S75-T6-0721	721	710	692	630	541	560
AC800-S75-T6-0779	779	800	748	710	584	560
AC800-S75-T6-1007	1007	1000	967	900	755	710
AC800-S75-T6-1140	1140	1100	1094	1000	855	800
AC800-S75-T6-1235	1235	1200	1186	1100	926	900
AC800-S75-T6-1370	1370	1300	1315	1200	1027	1000
AC800-S75-T6-1510	1510	1400	1450	1400	1133	1100
AC800-S75-T6-1853	1853	1800	1778	1700	1389	1300
AC800-S75-T6-2050	2050	2000	1973	1900	1541	1500
AC800-S75-T6-2280	2280	2000	2189	2000	1710	1600
AC800-S75-T6-2470	2470	2400	2371	2300	1853	1800
AC800-S75-T6-2740	2740	2700	2630	2600	2055	2000
AC800-S75-T6-3080	3088	3000	2964	2900	2316	2300
AC800-S75-T6-3425	3425	3400	3288	3200	2569	2500
AC800-S75-T6-3705	3705	3600	3557	3500	2779	2700
AC800-S75-T6-4110	4110	4000	3945	3900	3082	3000
AC800-S75-T6-4323	4323	4300	4150	4100	3242	3200
AC800-S75-T6-4795	4795	4700	4603	4500	3596	3500
AC800-S75-T6-4940	4940	4900	4742	4700	3705	3600
AC800-S75-T6-5480	5480	5400	5260	5200	4110	4000

Manufacturing and Quality Control

Smart manufacturing with whole-process automation

- On intelligent manufacturing ,the smart factory yields an annual capacity of 914,600 sets;
- Fully automatic SMT production line, automatic coating line, assembly line, testing line, packaging line, high temperature aging room and advanced production equipment are established;
- Enterprise production is implemented with target management and is operated in strict accordance with the production process and management methods, which greatly improves the production efficiency.
- Complete supply chain system meets the large volume of one-time delivery.

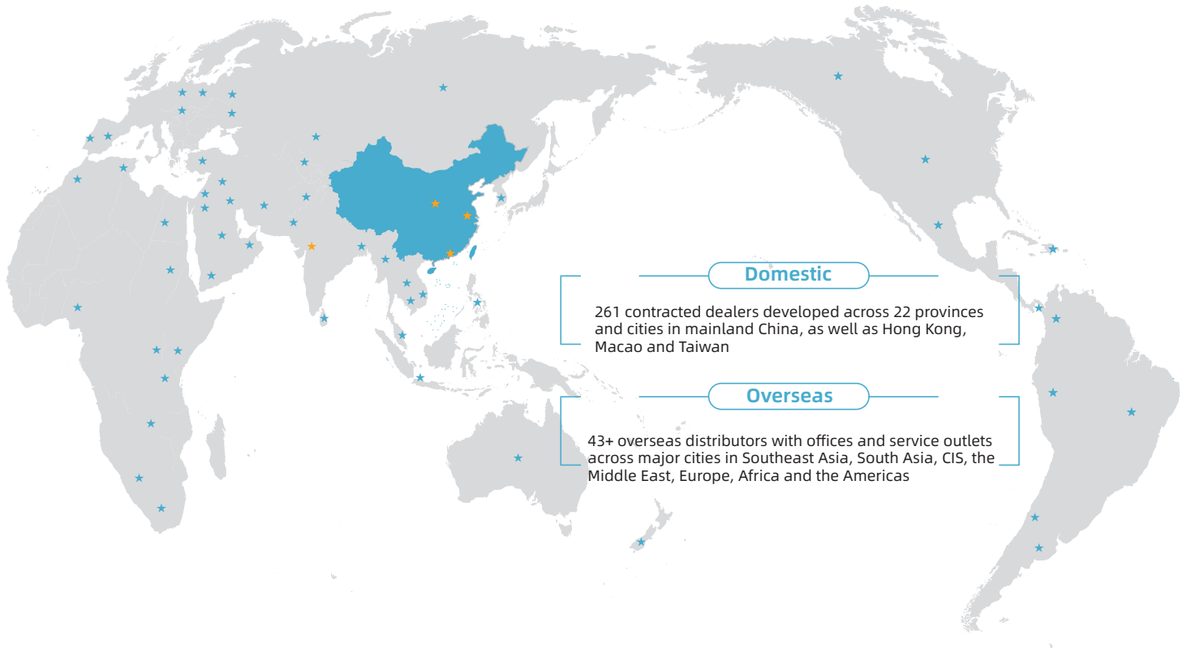
Inheriting the spirit of craftsmanship, detail-oriented and striving for better

- Insist on the quality policy and concept of quality first.
- Procurement, design, manufacturing and other aspects all implemented in strict accordance with the requirements of the ISO9001 quality management system.
- Talents create high quality, the production line core positions are occupied by 100% college degrees and above.
- Each product has a unique product code, which can be used in the product traceability system to ensure quality can be controlled and traced.




ISO9001:2015 ISO14001:2015 ISO45001:2018	CE certification for full series	3C certification for specialized products	RoHS 2.0 for customized products	AAA Certification for Measurement Management System	Five-star certification for after-sales service	QC080000 Management System

Service and Support



01 Pre-sales
Technology promotion, site survey, proposal design, energy saving assessment

02 During-sales
Customization, design consultation, installation and commissioning, on-site training

03 After-sales
Regular return visits, regular maintenance, timelyrepairs, application instruction