

規格 Specification

節電感應式穩壓器



型號 Model	容量 Capacity		額定電流 Rated Current	寬 x 深 x 高 W x D x H
	KVA	KW	(380V)	CM
CLS-30300	300	240	455A	93x94x126
CLS-30400	400	320	608A	93x106x152
CLS-30500	500	400	757A	93x106x152
CLS-30600	600	480	910A	109x119x150
CLS-30800	800	640	1216A	109x119x150
CLS-31000	1000	800	1520A	109x119x159
CLS-31500	1500	1200	2279A	129x144x168
CLS-31750	1750	1400	2625A	143x158x170
CLS-32000	2000	1600	3020A	143x158x176
CLS-32500	2500	2000	3798A	144x154x194
CLS-33000	3000	2400	4558A	144x154x203

4000KVA~30,000KVA之規格，
歡迎洽詢

The Specification of 4000KVA~30,000KVA,
Welcome To Inquiry



安裝實例 Installation example

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邱經理

節電感應式穩壓器特點

The Characters Of I.V.R.

一 堅固耐用，使用年限長

內部主體為感應電壓調整器IVR、內無碳刷等接觸器及磨損元件，故永不磨損。堅固、耐用為主要特點(本機保用20年)

二 輸出電源最精確

控制基板採用精密邏輯線路，配合精密零組件，在惡劣之環境，均可以最精確之電壓輸出。精確度 $\pm 1\%$ ~ $\pm 2\%$ 。

三 保護設施最齊全

本機型除具堅固耐用及精密輸出外，並具突發狀況保護設施。

- (1) 過電流及短路保護
 - (2) 欠相、逆相保護
 - (3) 輸入超壓、低壓保護
 - (4) 超溫保護
- (以上功能以蜂鳴器警示及LED指示)

四 特性優良

採用高磁束矽鋼片，使空載損失、負載損失、無載電流減至最低，使穩壓器發揮高性能，減少電力損耗。

五 用途最廣泛

本穩壓器輸出不會產生任何干擾信號，適用各種設備，例如整廠穩壓、CNC設備、SMT設備、醫療設備及精密儀器，均可使用。

六 保養及維護最簡便

採用模組化設計，所有元件均以規格化，維護容易。可縮短維護時間，內部主體均無接觸元件，保養容易，只需保持內部清潔，無需任何特別保養。

七 適合做超大型容量

感應式是唯一單機可做超大型容量之穩壓器，可生產30,000KVA以上機型。

1 Durable and Long Using Life

The main internal structure is induction voltage regulator IVR with brushless type components, so none damage caused even long term usage & the machine is guaranteed for 20 years using.

2 Accurate output voltage

The control board uses precision logic circuit and components to provide the most accurate voltage output in harsh environments. Accuracy is $\pm 1\%$ ~ $\pm 2\%$.

3 Complete protection functions

In addition to the durable and precise output, IVR also has emergency protection functions:

- (1) Overcurrent and short circuit protection
- (2) Loss phase and reverse phase protection
- (3) Input over voltage and low voltage protection
- (4) Over temperature protection

(Above functions are indicated by buzzer warning and LED indication)

4 Excellent performance

Made of high magnet flux silicon stainless sheet, get down no load loss / load loss / no load current loss to the minimum, so it can operate high performance and reduce power electrical loss.

5 Wide Applications

The output will not generate any interference signals, and suitable to all equipment such as whole factory, CNC equipment, SMT equipment, medical equipment and precise instruments etc.

6 Easy Maintenance

The machine adopts a modular design, and all components are standardized for easy maintenance. The main internal structure are one-contact components, just keep the inside clean without any special maintenance.

7 Suitable for super large capacity

The inductive type is the only can be used as one set machine with super large capacity, and can produce more than 30,000KVA capacity.

技術規範書 The Standard Table Of Technology

1	型式 Model	感應式(誘導式)油入自冷式於負載中無接點無段調整 Induction type, Oil cooling type, no contact and stepless adjustment
2	輸入頻率 Input Frequency	47Hz~63Hz
3	穩壓範圍 The Range Of Voltage	$\pm 15\%$ ($\pm 20\%$ ~ 50% 皆可訂作OEM acceptable)
4	輸出精度 Output Accuracy	$\pm 1\%$ ~ 2% ，輸出電壓亦可依需要作 $\pm 10\%$ 之調整，以滿足各種機械所需。 $\pm 1\%$ ~ 2% . Output voltage can be adjusted as your requirement in the range of $\pm 10\%$
5	調整方式 Adjustment methods	全自動調整，故障時可切換為半自動調整或手動調整 Fully automatic adjustment, and it can be switched to semi-automatic or manual when failure
6	響應速度 Response Time	0.1 秒Second
7	波形失真 Waveform Distortion	正弦波不失真 Sine wave not distorted
8	效率 Efficiency	98.5~99.4%
9	面板指示 Panel Indication	輸入電壓、輸出電壓、負載電流均採用LED數字錶頭顯示、目測容易，讀數精確。薄膜開關面板，輕觸按鈕控制可作自動與電動調壓控制。如有異常，面板相應指示燈亮，各種狀況一目瞭然。 Input voltage, output voltage, load current displayed by LED, clear reading, accurate reading, membrane switch panel, touch button control can be automatically and electric voltage regulation control. If there is any abnormality, the corresponding indicator on panel will light, and various conditions are clear at a glance.
10	控制特性 Operation Features	採用大型集成電路板，確保輸出電壓穩定，以保證負載正常運行。 Large integrated circuit board is used to ensure a stable output voltage and normal loading operation.
11	保護功能 Protective Functions	採用聲光報警，當電壓過高、過低、欠相、逆相；設定轉換，馬達跳脫時內部蜂鳴器會自動報警，並於面板上指示故障原因，保護負載，細心周到。 Adopting sound and light alarm with auto detection and trip for over-voltage, under-voltage, loss phase, reverse phase. The internal buzzer will automatically alarm when the setting is changed or the motor trips, and the reason of the failure will be indicated on the panel.
12	超載能力 Overload Ability	150%(120分鐘Min) 300%(30秒Seconds)
13	環境 Environment	噪音 $< 60\text{db}$ ，溫度： -20°C ~ 55°C ，濕度：0~95% Noise： $< 60\text{db}$, Temperature: -20°C ~ 55°C , Humidity: 0~95%
14	溫升 Temperature rise	37°C ~ 53°C

P.S. 保護功能可外接電磁開關或VCB做輸出跳脫切斷輸出電壓用。

P.S. The protection functions can be connected externally with magnetic switch or VCB as output to cut-off output voltage.