

OVERVIEW

ELC500 intelligent combination low voltage reactive power measuring & controller device is new type of low voltage reactive power compensation controller that integrates measurement, control and display.

It mainly integrates normal voltmeters, ammeters, power factor meters, reactive power meters, and active power meters in one controller, It can also display three phase compensation current and capacitor switching status display. This product adopts RS485 communication method, which can connect up to 20 pieces of HY series combined low voltage power capacitors.



MODEL AND MEANING

500	580-I	-	□□
3	4		5

No.	Name	Meaning
1	Controller type	
2	Enterprise code	
3	Automatic control	
4	Specification	580: normal type 580-I: special made (equipped with anti-harmonic)
5	Procedure category	

*Note: J ELC500-I is equipped with HYBAGK

TECHNICAL PARAMETERS

Normal working and installation conditions

Ambient temperature	-25°C ~ +55°C
Relative humidity	Relative humidity ≤50% at 40°C ; ≤90% at 20°C
Altitude	≤2500m
Environmental conditions	no harmful gas and steam, no conductive or explosive dust, no severe mechanical vibration
Power condition	
Rated voltage	AC 220V/380V
Rated working current	AC 0~5A
Rated frequency	45Hz~65Hz

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2. Performance

Measurement accuracy	voltage: $\leq \pm 0.5\%(0.8-1.2U_n)/$ current: $\leq \pm 0.5\%(0.2-1.2I_n)/$ active power reactive $\leq \pm 2\%$, reactive power: $\leq \pm 2\%$, power factor: $\leq \pm 1\%$
Control quantity	20 Pieces
Compensation method	three phase compensation or mixed compensation
Control method	RS485
Protective function	Over-voltage protection, under-voltage protection, under-current protection, over-harmonic protection
Standard	JB/T 9663-2013

3. Dimension and structure

Dimension and structure	Dimension (WxHxD)	Mounting dimension (WxH)
	170 x 170 x 120	160 x 160