

PROSTAR STABILIZER



(RC:643390)

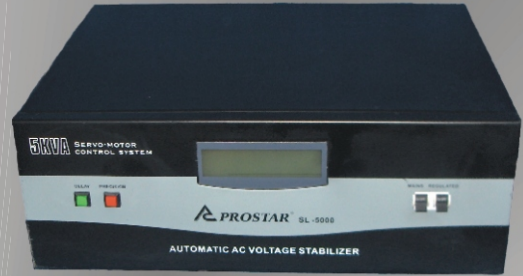
PROSTAR
GLOBAL ENERGY GROUP LTD

Owners of: Prime Energy Venture Ltd. Prime solar power Ltd. Ecopal Electric System Ltd.

Providing Renewable Energy Sources Wherever and Whenever Needed



HSD Model:3 - 10KVA



SL Model:1 - 20KVA



TSD Model: 3 - 10KVA



**SVC Model:2-15KVA
SINGLE PHASE**



**SVC Model:20 - 50KVA
3PHASE**

G E N E R A L I N T R O D U C T I O N

Prostar servo motor controlled stabilizer as the name implies uses microprocessor controlled servo motor point displacement functions to regulate and maintain a preset output voltage value irrespective of the input, but within the limit of the arm swing control. Employing the use of toroid transformer, the motor and its control gear is strategically placed at the centrum of the toroid transformer to enable the rotor arm to revolve smoothly on th surface of the toroid transformer in accordance to the detects of the microprocessor as the input source varies.

The arm is engaged to bring about the desired stable output on comparative basis. By this process, the high or low voltage from source is brought under control to give the desired preset value. The appliance so protected is further safeguarded

by micro switches which cut off the input source at extreme conditions. Self recovery is available in some models, where in some models, the rotor arm has to be adjusted manually out of the stocked end on switches.

Some Prostar stabilizers are equipped with either analogue or digital functional display meter for proper monitoring of input and output voltage, power draw in Amps or in watts for some models. Buzzer alarms are also provided to alert for some extreme conditions such as over temperature, over voltage, overload, under voltage and short circuiting .

All Prostar stabilizers are equipped with bypass switch for convenience. Dual output voltage is also possible for 110 and 220 VAC. Some models also designed for single phase operation where others are on 3-phase.

Prostar stabilizer models include but not limited to SL models, Tsd models, HSD models, SVC models and PRC - SBW(indoor and Outdoor). The capacity range from 300VA to 1000KVA. Telecommunication grades are equipped with input - output filters and on demand they can be fixed with isolation transformers.

General Technical Specifications					
	SL Models	HSD Models	TSD Models	SVC Models	PRC SBW Models
Frequency	Synchronize with supply frequency 50/60Hz(Same as input)				
Wave Form	True Sine Wave / No distortion(As input)				
Efficiency	95%				
Display	LCD	LED	LED	Analogue meter	Analogue meter
Response Time	< 25ms/V			<20ms/V	
Delay System	5s - 180s				
Input/Output Filter	No			On demand	Yes
Isolation Transformer	No			On demand	Yes
Buck Booster	No				Yes
Protection	Short circuit, Surge, Over Load, Under Voltage and Over Voltage.				
Design Package	Desktop/ Tower Case	Wall Mount (horizontal)	Wall Mount (vertical)	Tower case(Outdoor wather proof available ondemand)	Tower case(Outdoor wather proof)
Temperature	0°C – 45°C				
Humidity	95%max Non Condensing				
Audible Noise	45dB - 55dB at 1meter				
IP Rating	IP11			IP21	IP55
Application	Office/Domestic				Industrial/Telecom
Insulation Resistance	>1M?				
Overload Capacity	120% for 30s, 150% - 5s				

Stabilizer Specifications

Model	Capacity (VA)	Input Voltage (V)	Output Voltage (V)	Rated Current (A)	Phase	Dimensions (LxWxH)	Weight (Kg)
SL1KVA	1000	220 ± 20%	220 ± 2%	4.5	Single phase	34x33x13	12
SL2KVA	2000			9			
SL3KVA	3000			13.6			
SL5KVA	5000			22.7			
SL10KVA	10000			45.5			
SL20KVA	20000			91			
HSD3KVA	3000			13.6			
HSD5KVA	5000			45.5			
HSD10KVA	10000			45.5			
TSD3KVA	3000			13.6			
TSD5KVA	5000			22.7			
TSD7KVA	7000			31.8			
TSD10KVA	10000			45.5			
SVC2KVA	2000			9			
SVC3KVA	3000			13.6			
SVC5KVA	5000			22.7			
SVC10KVA	10000			45.5			
SVC15KVA	15000			68.2			
SVC20KVA	20000			91			
SVC30KVA	30000			400 ± 20%			
SVC50KVA	50000			227/phase			
PRC-SBW 50KVA	50000	400 ± 30%	400 ± 1%	227/phase			

NB Ranges above 100KVA are on special request.

Head Office: Blindex House, Block A, Plot 4 Am Lagos State
 Industrial Scheme Lagos State
 Along Oshodi-Apapa Express way, Beside KIA Lagos State
 Website:www.prostarglobal.com Lagos State
 Email: info@prostarglobal.com Lagos State, prostarprim Lagos State
 Email: prostarprim@prostarglobal.com Lagos State, esolar@yahoo.co.uk Lagos State
 Tel:01-8045825, 08033157465. Lagos State

Surulere Office: 113 Ogunlana Drive, Surulere Lagos.
 Tel:08023527507,01-8146429. Email: prostarprim@prostarglobal.com Lagos State
 Email: prostarprim@prostarglobal.com Lagos State, eenergyltd@yahoo.com Lagos State

ABUJA Office: B suite 44, Ide Plaza, Plot 484 Utako, Opp Mountain
 of fire church, Along Julius Berger-Utako Rd, Abuja.
 Tel:09-7801816, 0702780153.

Email: prostarprim@prostarglobal.com Lagos State
 Email: prostarprim@prostarglobal.com Lagos State, esolarpowerabuja@yahoo.com Lagos State

Onitsha Office: 118 Awka Rd, Onitsha, Anam Lagos State
 State. Lagos State
 Tel: 046-485722, 046-314727, 07084571554. Lagos State

Alaba Office:B/K32, Shop 27 Electrical Section, Alaba Int'l Market
 Lagos. Tel:01-08033309158. Lagos State

Shop 22/23 Obosi Electrical Market extension. Lagos State