



**TEKLAB TLPVS Series Wide Range Programmable DC Power Supply** has a capability of Power Supply and Regenerative Electronic Load. It can feedback the Power to the Grid cleanly. It is a High-Performance Power supply with 30KW Power in 3U Height and Compact Form-factor.

**TEKLAB TLPVS Series Wide Range Programmable DC Power Supply** has a Wide Range of ratings includes 6 Voltages starting from 100V to 1500V models and support Parallel function to increase the Power in future.

It is suitable for the R & D test, Quality test and Production test of Electrical Vehicles, Inverter, Motors, Batteries, PV Inverters, DC-DC Converters, Automotive Electronics, Power Electronics, etc.

### FEATURES

- Programmable Bi-Directional DC Power Supply, Integrated Power Supply and Regenerative Load Compact Formfactor, 3U size with 30KW
- Voltage Output - 100V, 330V, 500V, 750V, 1000V and 1500V models. Wide-Range Constant Power output capability
- Arbitrary waveform generator supports multi-curve cycle
- Parallel Function to increase the Power using Master-Slave configuration. Supports ISO16750-2, LV123, LV124 and other international test standards
- 4.3" Color Display with User friendly operation using buttons and knobs Energy flows in both directions within the full power range Automatically detected voltage compensation terminals
- Over voltage, over current, over temperature and output short circuit protections Output Voltage drop compensation
- Disable the front panel using Key lock function to prevent the mis-operation
- PC Software – with I-V Curve Simulation, Battery Simulation, Arb waves, etc. simulations functions. Communication interface - RS232, LAN, CAN as a standard interface

## TECHNICAL SPECIFICATIONS

<b>Input parameter</b>	3-phase 3-wire+PE, 380/400/480 ± 15%, 45-65Hz
<b>Rise Time – Load to reach from 10- 90% V out</b>	≤ 32 ms
<b>Transient recovery time</b>	< 1.8 ms
<b>Ripple</b>	< 0.04% Vmax
<b>Noise</b>	≤ 65dB (A)
<b>Overvoltage Protection</b>	0~110V% Max adjustable
<b>Protection and alarm</b>	Over Voltage Protection, Over Current Protection, Over Power Protection, Over Temp. Protection, Short Circuit Protection, Power Module Fault Alarm etc
<b>Cooling method</b>	Temperature Controlled Forced Air cooling
<b>Parallel Output</b>	Supports up to 10 master-slave configurations
<b>Efficiency</b>	~90%
<b>Operating Temperature</b>	0-40°C
<b>Storage Temperature</b>	-20° ~ 70°C
<b>Humidity</b>	<80%, no condensation
<b>Dimensions (W×H×D)</b>	482×134×852 (Maximum Size)

*\*All specifications and appearances are subject to change without prior notice.*

## SELECTION GUIDE

MODEL	VOLTAGE	CURRENT (LOW/HIGH)	POWER	SIZE
TLPVS100-170-5KW	100V	±170A	±5KW	3U
TLPVS100-340-10KW		±340A	±10KW	
TLPVS100-510-15KW		±510A	±15KW	
TLPVS330-75-7KW	330V	±75A	±7KW	3U
TLPVS330-150-14KW		±150A	±14KW	
TLPVS330-225-21KW		±225A	±21KW	
TLPVS500-40-5KW	500V	±40A	±5KW	3U
TLPVS500-80-10KW		±80A	±10KW	
TLPVS500-120-15KW		±120A	±15KW	
TLPVS500-40-7KW		±40A	±7KW	
TLPVS500-80-14KW		±80A	±14KW	
TLPVS500-120-21KW		±120A	±21KW	
TLPVS500-240-30KW		±240A	±30KW	
TLPVS750-75-5KW	750V	±75A	±5KW	3U
TLPVS750-75-10KW		±75A	±10KW	
TLPVS750-75-15KW		±75A	±15KW	
TLPVS750-75-21KW		±75A	±21KW	
TLPVS1000-40-10KW	1000V	±40A	±10KW	3U
TLPVS1000-40-14KW		±40A	±14KW	
TLPVS1000-75-15KW		±75A	±15KW	
TLPVS1000-75-21KW		±75A	±21KW	
TLPVS1500-40-15KW	1500V	±40A	±15KW	3U
TLPVS1500-40-21KW		±40A	±21KW	
TLPVS1500-80-30KW		±80A	±30KW	

Manufactured by,

**TEKLAB INDIA SOLUTIONS**

**AN ISO 9001: 2015 COMPANY**

#48, RMV 2<sup>nd</sup> Stage, 3<sup>rd</sup> Block, Devasandra, NEW BEL Road, Bangalore-560054, Karnataka, India

Ph:+91 80 2360 2395, Cell: +91-9743722395, Email: [info@teklabindia.com](mailto:info@teklabindia.com), [teklabindiasolutions@gmail.com](mailto:teklabindiasolutions@gmail.com)

Website: [www.teklabindia.com](http://www.teklabindia.com)

<http://www.teklabindia.com>