

Products	
PHYWE power supply DC: 0...12 V, 2 A / AC: 6 V, 12 V, 5 A For the simultaneous supply of DC and AC voltage.	
PHYWE power supply DC: 0...12 V, 2 A / AC: 6 V, 12 V, 5 A	13506-93
PHYWE power supply, universal DC: 0...18 V, 0...5 A / AC: 2/4/6/8/10/12/15 V, 5 A Versatile, high performance power supply for DC and AC voltages can also be used as a constant current source.	
PHYWE power supply, universal DC: 0...18 V, 0...5 A / AC: 2/4/6/8/10/12/15 V, 5 A	13500-93
PHYWE power supply, universal DC: 0...18 V, 0...5 A / AC: 2/4/6/8/10/12/15 V, 5 A, as above but with analogue displays	13501-93
PHYWE variable transformer DC: 20 V, 12 A / AC: 25 V, 12 A Continuously adjustable DC and AC voltages, plus two fixed voltages.	
PHYWE variable transformer DC: 20 V, 12 A / AC: 25 V, 12 A	13531-93
PHYWE variable transformer DC: 20 V, 12 A / AC: 25 V, 12 A, as above but with analogue displays	13532-93
PHYWE variable transformer with analogue displays DC: 0...30 V, 18 A / AC: 0...36 V, 18 A Continuously adjustable DC and AC voltages.	
PHYWE variable transformer with analogue displays DC: 0...30 V, 18 A / AC: 0...36 V, 18 A	13537-93
PHYWE power supply, stabilized, with analogue displays DC: 0...30 V, 20 A High performance power supply with stabilized output voltage with low ripple and constant current operation.	
PHYWE power supply, stabilized, with analogue displays DC: 0...30 V, 20 A	13536-93
PHYWE variable transformer with analogue displays DC: 0...230 V, 6 A / AC: 0...250 V, 6 A Continuously adjustable DC and AC voltages.	
PHYWE variable transformer with analogue displays DC: 0...230 V, 6 A / AC: 0...250 V, 6 A	13535-93
PHYWE power supply, regulated DC: 0...12 V, 0,5 A; 0...650 V, 50 mA / AC: 6,3 V, 2 A Power supply with 5 output voltages, especially suitable for tube testing and narrow beam tube.	
PHYWE power supply, regulated DC: 0...12 V, 0,5 A; 0...650 V, 50 mA / AC: 6,3 V, 2 A	13672-93
PHYWE High voltage supply unit with digital display DC: 0... ± 10 kV, 2 mA Universal high-voltage power supply, for all electrostatic experiments and experiments on radioactivity, as well as suitable for operation of special tubes and other gas discharge tubes.	
PHYWE High voltage supply unit with digital display DC: 0... ± 10 kV, 2 mA	13673-93
PHYWE High voltage supply unit with digital display DC: 0... ± 25 kV, 0,5 mA Continuously adjustable DC power supply for electrostatic experiments.	
PHYWE High voltage supply unit with digital display DC: 0... ± 25 kV, 0,5 mA	13671-93
PHYWE power supply variable DC: 0...12 V, 5 A / AC: 0...15 V, 5 A Continuously adjustable DC and AC voltages, plus two fixed voltages.	
PHYWE power supply variable DC: 0...12 V, 5 A / AC: 0...15 V, 5 A	13530-93
PHYWE Multitap transformer DC: 2/4/6/8/10/12 V, 5 A / AC: 2/4/6/8/10/12/14 V, 5 A For DC and AC voltages, adjustable in 2 volt increments.	
PHYWE Multitap transformer DC: 2/4/6/8/10/12 V, 5 A / AC: 2/4/6/8/10/12/14 V, 5 A	13533-93
PHYWE power supply, regulated DC: 5 V, 1 A; ± 15 V, 0,2 A Regulated power supply with three DC outputs, suitable for electronics experiments.	
PHYWE power supply, regulated DC: 5 V, 1 A; ± 15 V, 0,2 A	13502-93
PHYWE transformer 3 phase AC: 10/17,3; 23/40 V, 3 A Low voltage three-phase transformer for star and delta circuits.	
PHYWE transformer 3 phase AC: 10/17,3; 23/40 V, 3 A	13665-96

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PHYWE power supplies

for science education



made
 in
 Germany

Power supply units made by PHYWE - simple, safe, and easy to maintain

PHYWE's range of power supplies has been specifically developed for the requirements of science classes and is manufactured in Germany in order to comply with the most stringent quality and safety standards. PHYWE power supplies offer the following features:







- easy and safe operation thanks to the unambiguous and clear arrangement of the functional elements
- all of the outputs are galvanically separated from the mains and free-of-ground via 4 mm safety sockets
- all of the outputs are short-circuit-proof or protected by way of automatic circuit breakers (no need to replace any fuses)
- direct voltage outputs, partly current- and voltage-stabilised
- special, service-friendly system housing with a foldaway carrying handle and stand
- high resistance against mechanical stress



Features

- **CE mark:** tested for safety
- **Foldaway carrying handle:** ensures that the devices can be transported in a comfortable and safe manner while remaining stackable
- **Foldaway stand:** for a safe set-up and better visibility
- **4 mm safety sockets**
- **Direct voltage outputs:** short-circuit-proof, partly current- and voltage-stabilised, can be switched to parallel or series connection
- **Alternating voltage outputs:** protected by way of automatic circuit breakers

PHYWE power supplies – key information at a glance

Properties	Standard power supplies			Centralised power supplies		
						
Description	PHYWE power supply DC: 0...12 V, 2 A / AC: 6 V, 12 V, 5 A	PHYWE power supply, universal DC: 0...18 V, 0...5 A / AC: 2/4/6/8/ 10/12/15 V, 5 A (with / without display)	PHYWE variable transformer DC: 20 V, 12 A / AC: 25 V, 12 A (with / without display)	PHYWE variable transformer with analogue displays DC: 0...30 V, 18 A / AC: 0...36 V, 18 A	PHYWE power sup- ply, stabilized, with analogue displays DC: 0...30 V, 20 A	PHYWE variable transformer with analogue displays DC: 0...230 V, 6 A / AC: 0...250 V, 6 A
SPECIFICATIONS						
Direct voltage (DC):	0 ... 12 V / 0 ... 2 A, max. 24 W, ripple max. 1 mVss	0...18 V, 0...5 A, continuously adjustable	0...20 V / 12 A	0...30 V / 18 A	0...30 V	0...230 V / 6 A
Alternating volt- age (AC):	6 V / 12 V, 5 A, series connection possible	2/4/6/8/10/12/15 V, 5 A	0...25 V / 12 A; 6 V and 12 V each 6 A	0...36 V / 18 A		0...250 V / 6 A
Outputs equal- time loadable:	yes	yes	yes	yes	yes	yes
Short-circuit proof:	yes	yes	yes	yes	yes	yes
Display:	no	with or without	with or without	yes	yes	yes
Smoothed output voltage:	yes	yes	no	no	yes	no
Input:	68 VA	295 VA	375 VA	750 VA	ca. 900 VA	max. 1500 VA
Mass (mm):	206 x 130 x 160	230 x 236 x 168	230 x 236 x 234	370 x 236 x 240	370 x 236 x 234	370 x 236 x 234
Weight (kg):	3.2	7.8 (w/o display) 7.9 (with display)	9.4 (w/o display) 10.3 (with display)	16.3	14.0	17.3
SPECIAL FEATURES						
	<ul style="list-style-type: none"> ■ fuse protection: thermal fuse (no replacement fuse required) ■ outputs protected against overload and short-circuits, interference-voltage-proof, free-of-ground and floating ground ■ adjustable current limitation 	<ul style="list-style-type: none"> ■ versatile, high-performance power supply for direct and alternating voltages ■ can also be used as a constant current power supply ■ electrically isolated outputs 	<ul style="list-style-type: none"> ■ continuously variable direct and alternating voltages ■ 2 fixed voltages 	<ul style="list-style-type: none"> ■ continuously variable direct and alternating voltages 	<ul style="list-style-type: none"> ■ high-performance power supply with stabilized output voltage, low ripple and with constant current mode 	<ul style="list-style-type: none"> ■ continuously variable direct and alternating voltages ■ alternating voltage supplied via a plug socket
ARTICLE NO.	13506-93	13500-93 (w/o) 13501-93 (w.)	13531-93 (w/o) 13532-93 (w)	13537-93	13536-93	13535-93



made
in
Germany

High voltage power supplies

Regulated and special power supplies

PHYWE power supply, regulated DC: 0...12 V, 0,5 A; 0...650 V, 50 mA / AC: 6,3 V, 2 A	PHYWE high voltage supply unit with digital display DC: 0... ± 10 kV, 2 mA	PHYWE high voltage supply unit with digital display DC: 0... ± 25 kV, 0,5 mA	PHYWE power supply variable DC: 0...12 V, 5 A / AC: 0...15 V, 5 A	PHYWE multitap transformer DC: 2/4/6/8/10/12 V, 5 A / AC: 2/4/6/8/10/12/14 V, 5 A	PHYWE power supply, regulated DC: 5 V, 1 A; ± 15 V, 0,2 A	PHYWE transformer 3 phase AC: 10/17,3; 23/40 V, 3 A
Output 1: 0...12 V / 0,5 A Output 2: 0...50 V / 50 mA Output 3/4: 300 V / 0...300 V / 50 mA	3 adjustable DC voltages: 0..+5 kV; 0..-5 kV; 0...+/- 10 kV; 0.1 mA	0...-/+ 25 kV / 0.5 mA	0 ... 12 V / 5 A	2-12 V / 5 A	+/-15 V / 0.2 A; 5 V / 1.0 A	
6.3 V, 2 A			0 ... 15 V / 5 A; 6 V / 6 A	2-14 V / 5 A		switchable: 10 / 17.3 V and 23 / 40 V / max. 3 A
yes	yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes	yes
no	yes	yes	no	no	no	no
yes	yes	no	no	no	yes	no
100 VA	20 VA	ca. 45 VA	ca. 190 VA	80 VA	68 VA	ca. 220 VA
230 x 250 x 168	230 x 250 x 168	230 x 236 x 168	230 x 236 x 168	230 x 236 x 168	206 x 130 x 160	230 x 236 x 168
5.8	5.5	3.6	7.5	3.3	2.4	6.2
<ul style="list-style-type: none"> power supply unit with 5 output voltages especially suitable for electron tube experiments and narrow beam tubes 	<ul style="list-style-type: none"> universal high-voltage source for all kinds of electrostatics and radioactivity experiments as well as for the power supply of special electron tubes and other gas discharge tubes 	<ul style="list-style-type: none"> continuously adjustable direct voltage supply specially developed for electrostatics experiments 	<ul style="list-style-type: none"> continuously variable direct and alternating voltages 2 fixed voltages 	<ul style="list-style-type: none"> for direct and alternating voltages adjustable in 2 volt steps 	<ul style="list-style-type: none"> controlled power supply unit with 3 direct voltage outputs suitable for electronic experiments 	<ul style="list-style-type: none"> extra-low voltage three-phase transformer for star and delta circuits
13672-93	13673-93	13671-93	13530-93	13533-93	13502-93	13665-96