



DATA SHEET

PSP – Power Supply Truck

PS3/18



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KEY FEATURES

- AC input 3 Phase 380 VAC $\pm 10\%$
- Protections: Safety via input protection MCBs
- Stand-alone functions (AC Voltage, DC Voltage, AC current).
- Operate without connection to a PC. With the Front Panel Touch Screen 7 inch.
- Digital Metering on front panel HMI Screen.
- Status indicator on front panel HMI Screen.
- Compact and has no special leads required on site.
- Rugged and reliable for factory usage.

DESCRIPTION

- The Multi-Output Power Supply is the engineer's toolbox that addresses the increasing need for multi-source capability in electrical applications.
- Panel building manufacturing is the main application area.
- The Multi-Output Power Supply is a controlled Power Supply source that contains power withstand capability designed with an accurate digital metering.
- The intuitive user interface is presented on the device's front HMI panel. It has a powerful combination of the individual voltage / current sources and a versatility of measurement possibilities.
- The power Supply case offers a suitable protection for the device during movement on site and transportation.
- Safety is the main feature of the supply; the input source is protected by MCB.
- The output terminals are power sockets and banana industrial type that allows the user to use the most common types of wire terminals and connections.
- Siren or horns notify the user and other around personnels the status of the power supply truck operation scenario.
- The digital control can operate different sources together with proper protection and setting functionality
- Easy maintenance with replacing the electrical components, troubleshooting the error via the HMI screen and changing the faulty output fuses.
- Flexibility to change the three phase sequences as per test scenario and even drop the phases if optionally requested
- Each electrical actuator feedbacks his status to the main controller

DEVICE AND PANEL DESCRIPTION

The Panel is quiet easy access and powerful operation tool with complete safety integrity features.

The front panel interface eliminates the need for a computer. Intuitive HMI screen is provided to quickly and easy select the desired test function. Each output type has a dedicated portion and measurements.

Example for a sample





SPECIFICATIONS of PS3/18

Specifications are valid at nominal mains voltage and an ambient temperature up to 45°C.

General specifications:

Mains Voltage	3 Phase 380 VAC $\pm 10\%$ via 5 pole power plug (3ph+N+PE)
Power Input (max)	3000 VA
Protection	MCB for Mains input (No earth leakage)
Approx. Dimensions (L x W x H)	700 x 600 x 900 mm
Approx. Weight	70 kg
Display	Digital Meters on HMI screen.

Measurement specifications:

Voltmeter Measurement method	AC RMS / DC mean value
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Outputs:

No.	Function	Sub Function	Qty and range	Type
1	3 Phase AC Voltage	Three Phase Fixed AC Voltage (OUT 1 / 2)	Qty (2) 380VAC (500 VA)	8 x 25 A Bananas
		Three Phase Fixed AC Voltage (OUT 17 / 18)	Qty (2) 380VAC (500 VA)	2 x 16 A 4P-Socket
		Three Phase Fixed AC Voltage (OUT 4 / 5)	Qty (2) 110 (500 VA)	8 x 25 A Bananas
		Three Phase Variable AC Voltage (OUT 14)	Qty (1) 0- 450 VAC (3000 VA)	4 x 25 A Bananas
	Phase failure and sequence test supply	Three Phase Fixed AC Voltage (OUT 3)	Two phases can be separately controlled	4 x 25 A Bananas
2	1 Phase AC Voltage	Single Phase Fixed AC Voltage (OUT 6 / 7)	Qty (2) 220VAC (500 VA)	4 x 25 A Bananas
		Single Phase Fixed AC Voltage (OUT 15 / 16)	Qty (2) 220VAC (500 VA)	2 x 16 A 3P-Socket
3	DC Voltage	Fixed DC Voltage (OUT 9)	Qty (1) 220 VDC (10 A)	2 x 25 A Bananas
		Fixed DC Voltage (OUT 10 / 11)	Qty (2) 110 VDC (10 A)	4 x 25 A Bananas
		Fixed DC Voltage (OUT 12)	Qty (1) 48 VDC (5 A)	2 x 25 A Bananas
		Fixed DC Voltage (OUT 13)	Qty (1) 24 VDC (5 A)	2 x 25 A Bananas
4	AC Current injection	0-30 A AC Single phase (OUT 8)	Qty (1) 0-30 A variable current source	2 x 30 A Bananas

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