

## PRIMARY POWER SUPPLY

### AC/DC Power supply for 24V DC on-board networks (other output voltage optional)

- charging of the buffer battery / all types of battery
- 19" model or customised design
- floating model
- Voltage/current control for on-board networks with and without battery
- no battery discharging (also when switched off)
- appliances can be connected in parallel to increase performance
- „Load dump“ fixed version, which enables it to be connected in parallel to charge controller
- to comply with EMC-requirements no shielded lines are necessary  
(Option : output plug with shielded connection)



input voltage (±10%)	230V AC		230V / 400V AC	115V – 230V	115V / 200V 230V / 400V	120V / 208V	
current	alternating		3-phased	AC	3-phased	AC	3-phased
network	TNS-network						
frequency	50 Hz		50 Hz	60 Hz / 50 Hz	60 Hz / 50 Hz	400 Hz	
class of protection	I						
International protection standard	IP 54						
output voltage	28.2 V						
output current	16/32/ 48/64A	80/96 A	96/144A	16/32/48A	64/80/96A	16/32/48A	64/80/96A
plug-in height	4 HU	6 HU	6 HU	4 HU	6 HU	4 HU	6HU
efficiency factor	≥ 77%						
control characteristics	I / V						
secondary safety	current limitation / short-circuit-proof / over-temperature switching off						
signalling	LED's : operation, temperature warning, over temperature						
direction of cooling air	front → back						
operating temperature	-20°C to +50°C (Option : -32°C to +55°C) (Stanag climatic zone C1 to A1)						
electric safety	EN 60950						
EMC	VG 95373 limit class 4 (Option : limit class 3 / 2) MIL STD 461 Ground Army Air Force (Option : Aircraft, Ships)						
mechanical capacity	oscillation severity C2 VG 95332 (Option : severity, Mil Std 810) shock severity 7 VG 95332 (Option : severity, Mil Std 810)						
input	circular plug-in connector series VG 95234 (Option : other plug-in connector)						
output	screw terminals M6, M8 (Option : connector)						

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**Further options:**

**Scythe control :** 0.5V

**Battery temperature :** temperature-dependent tracking of the charging voltage with pole piece temperature sensor

**Error message :** potential-free alarm contacts for operation, primary errors, secondary errors, over-temperature, temperature warning as well as overall failure warning

**Remote control :** on, off via potential-free input 5V DC (24V DC)

**Output voltage :** adjustable

