



Power Supply / Battery Charger 24 (28) V DC / 70 A

type numbers: 00424 | 00426



type number
00424



Rear view



type number
00426

Main Feature:

This range of modular AC / DC-Power-supplies is designed for charging batteries and battery back-up applications for harsh environments and mobile applications.

Electrical Data:

Input:

Nominal voltage:	230 V AC \pm 15 %
Line frequency:	45 Hz - 60 Hz
Consumption:	< 12 A (depending on model)
Inrush current:	< 30 A
Harmonics (current):	Power factor corrected to EN 61000-3-2
Power factor:	> 0.95

Output:

Output voltage:	28 V DC (intern. adj. 26 V DC - 28 V DC)
Output tolerance:	-4 % / + 0 % (0 – 100 % load)
Output current:	30 A / 40 A / 50 A / 60 A (depending on model)
Output protection:	Current limit (110 % of I_{Nom}) Short circuit protection Over voltage shutdown (125 %) Over temperature shutdown with automatic recovery
Minimum load:	no minimum load required
Efficiency:	typ. 85 % – 88 % at 230 V AC
Isolation:	Input-output: 3000 V AC Input-chassis: 1500 V AC Output-chassis: 200 V DC
Safety:	EN 60950-1

Signals / Alarms:

Display:	Green LED: Power-on-signal Red LED: Alarm (batt-low)
Alarms (Relay contact):	Power ok, Battery-low



Power Supply / Battery Charger 24 (28) V DC / 70 A

type numbers: 00424 | 00426

Connectors:

Line input:	ECTA 133, 3-pin-connector
DC-output:	High current studs (M8)
Alarms:	SJT00RT, 6-pin-connector
Ground terminal:	Studs M8 on front or rear

Environmental Data:

Protection:	IP 65 (EN 60529)
Cooling:	Convection cooling Automatic temperature controlled fan above +50 °C heatsink temperature

Environmental Data (acc. to MIL-STD-810F):

Operating temp. range:	-32 °C to +63 °C
Operating temp. optional:	-46 °C to +85 °C
Derate power:	2.5 % / °C above 50 °C ambient for Version 40 A - 60 A
Humidity:	0 % to 100 % rel.
Salt fog:	5 % at 35 °C
Vibration.:	Fig. 514.5C3 for wheeled vehicles
Shock:	10 x 10 g / 6 ms

Mechanical Specifications:

Dimensions:	360 x 350 x 124 mm (W x D x H) (overall, without connectors)
Weight:	< 10 kg (depending on model)
Material:	Aluminium
Finish / Color:	Powder coating, green RAL 6031

Available Options:

Line Input Voltages:	Single Phase 110 V AC 60 Hz or 95 V AC - 264 V AC, 50 / 60 Hz (wide range input)
Connectors:	(input / output) others on request
Color:	Black or white or on request
Line Filter / EMC:	FCC / EN / VG / MILstandards / TBD
RoHS-Compliance:	On request

Ask for further technical information!
Functional or interface modifications can be realized on request. Each configuration change causes a new type number.

page 2 of 2