Battery module
PVAF

General Data

Input rated voltage 24 Vdc	
Output rated voltage 24 Vdc	
Capacity 0.8 - 12 Ah	
Ambient temperature -10° C to +40° C	
Protection index IP 20	

Advantages

- Automatic detection of battery modules at UPS control unit
- Reliable early warning signal when battery life expectancy is declining
- Extended life expectancy through temperature controlled battery management
- Service-friendly spring-loaded connector system

Applications

Battery module for building a secure 24-Vdc power supply in case of power failure.

Approvals

c**UL**us

UL 508 (E219022)

1.1
1.2
1.3
2.1
2.2
3.1
3.2
3.3
4.0
5.1
5.2

Battery module
PVAF

Electrical data

Typ	PVAF 24/0,8Ah	PVAF 24/1,2Ah	PVAF 24/3,2Ah	PVAF 24/7Ah	PVAF 24/12Ah
Input					
Input rated voltage	24 Vdc	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Rated capacitie	0.8 Ah	1.2 Ah	3.2 Ah	7.0 Ah	12.0 Ah
Output					
Output rated voltage	24 Vdc	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Output rated current	max. 5 A	max. 7.50 A	max. 20 A	max. 40 A	max. 40 A
Internal fuse	10 A (slow blow)	15 A (slow blow)	25 A (slow blow)	2x25 A (slow-blow)	2x25 A (slow-blow)
Parallel connection	Yes	Yes	Yes	Yes	Yes
Environment					
Ambient temperature	-10° C to +40° C	-10° C to +40° C	-10° C to +40° C	-10° C to +40° C	-10° C to +40° C
Storage temperature	-20° C to +40° C	-20° C to +40° C	-20° C to +40° C	-20° C to +40° C	-20° C to +40° C
Service life	5 years at +20° C	5 years at +20° C	5 years at +20° C	5 years at +20° C	5 years at +20° C
Latest commissioning (only accumulators)	6 months at +30 - +40° C	6 months at +30 - +40° C	6 months at +30 - +40° C	6 months at +30 - +40° C	6 months at +30 - +40° C
Safety and protection					
Protection index	IP 20	IP 20	IP 20	IP 20	IP 20
Order numbers					
Order Number	**PVAF 24/0,8Ah**	**PVAF 24/1,2Ah**	**PVAF 24/3,2Ah**	**PVAF 24/7Ah**	**PVAF 24/12Ah**

Mechanical data

	PVAF 24/0,8Ah	PVAF 24/1,2Ah	PVAF 24/3,2Ah	PVAF 24/7Ah	PVAF 24/12Ah
Terminal and mounting					
Connections input / output (spring clamp terminal, pluggable)	max. 2.5 mm²	max. 2.5 mm²	max. 2.5 mm²	max. 10 mm²	max. 10 mm²
Connections temperature measurement, (spring clamp terminal, pluggable)	max. 2.5 mm²	max. 2.5 mm²	max. 2.5 mm²	max. 2.5 mm²	max. 2.5 mm²
Fixing method	DIN Rail system TH 35	DIN Rail system TH 35	DIN Rail system TH 35, screwed mounting	Straps at the case	Straps at the case
Measures and weights					
Weight	1.00 kg	1.80 kg	3.91 kg	5.90 kg	10.20 kg
Dimension picture (in mm)	❶	❷	❷	❸	❹
A	72	55	80	163	230
B	103.5	136	170.5	173.5	173.5
C	90	126.6	145	145	145

Dimension pictures