PVSB 400/24-40



Advantages

Output current and voltage monitoring RS-232 interface Stabilised and digitally adjustable output voltage Up to 200 % real power boost for 4 seconds Top boost to trip miniature circuit breakers 3 LEDs and active signal outputs to indicate operating status Parallel connection option Service-friendly spring-loaded connector system Can be supplied with active inrush current limiting option Panel installation on mounting rails

Applications

Primary switch mode power supply with high power reserves for all automation requirements with a variety of parameter setting and display functions, including output current and output voltage monitoring.

Sample application



Standards

Primary switched mode power supply to UL 60950, UL 508

EN 61558-2-16, EN 60950-1

EMC: EN 61204-3

Approvals





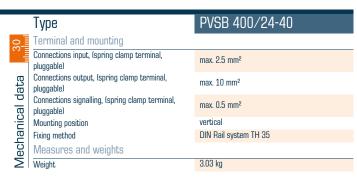
UL/CSA 60950 recognised, UL508 listed

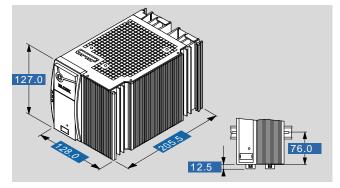




Three phase, primary switched mode power supply, Basic **PVSB 400/24-40**

Input Input rated voltage Input rated voltage Input voltage range Input voltage range Input voltage range Input rated current (rated load) Rated frequency range Starting current limiter Input fuse internal Recommended back-up fuse (circuit breaker) Harmonic correction Transient surge voltage protection Mains buffering Output Output rated voltage Output voltage range Resistance to reverse feed max. Output rated current Parallel connection Power Boost Overload behaviour Efficiency Ficiency Figher factor Top Boost Signaling Power Good (DC OX) Potential free signal contact Active signal outputs Approvals Approvals Approvals Approvals Approvals Approvals Approvals Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral m		Туре	PVSB 400/24-40
Input rated voltage Input voltage range Input voltage range Input voltage range Input voltage range Input rated current frated load) Rated frequency range Starting current limiter Input fuse internal Recommended back-up fuse (circuit breaker) Input fuse internal Recommended back-up fuse (circuit breaker) Input fuse internal Recommended back-up fuse (circuit breaker) Invariance voltage protection Iransient surge voltage protection Varistor Mains buffering Output Output rated voltage Output voltage range Resistance to reverse feed max. Output rated current Parallel connection Power Boost Overload behaviour Efficiency Input factor Input fuse internal Recommended back-up fuse (circuit breaker) Input fuse (circuit fuse (circuit breaker) Input fuse (circuit fuse (circuit fuse (circuit fuse (cir	٦ŗ		
Input voltage range Input reted current frated load! Rated frequency range Starting current limiter Input fuse internal Rated frequency range Starting current limiter Input fuse internal Recommended back-up fuse (circuit breaker) Input fuse internal Recommended back-up fuse (circuit breaker) Input fuse internal Recommended back-up fuse (circuit breaker) Internation correction Transient surge voltage protection Mains buffering Output Output rated voltage Output voltage range Resistance to reverse feed max. Output voltage range Resistance to reverse feed max. Output rated current Parallel connection Power Boost Overload behaviour Constant current or fuse Efficiency Input fuse internal Recommended behaviour Constant current or fuse Input fuse internal Recommended behaviour Constant current or fuse Input fuse internal Recommended behaviour	i+		3 x 400 - 500 Vac
Input rated current (rated load) Rated frequency range Starting current limiter Input fuse internal Recommended back-up fuse (circuit breaker) Harmonic correction Transient surge voltage protection Mains buffering Output Output rated voltage Output voltage range Resistance to reverse feed max. Output rated current Parallel connection Parallel connection Fificiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Approvals Approvals Approvals Approvals Environment Ambient temperature Safety and protection Protection index Rate frequency range 44 Hz · 66 Hz / 0 Hz At Pt · 60 Hz At Pt			340 - 550 Vac (480 - 780 Vdc)
Mains buffering Output Output Output rated voltage Output voltage range Resistance to reverse feed max. Output rated current Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Approvals Approvals Environment Ambient temperature Safety and protection Protection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers			2 A (3 x 340 Vac)
Mains buffering Output Output tested voltage Output voltage range Resistance to reverse feed max. Output rated current Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals Approvals Approvals Approvals Approvals Approvals Approvals Are signal potection Power Boost No Constant current or fuse Fine signal contact No A / 50 ms Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals A		· ·	44 Hz - 66 Hz / 0 Hz
Mains buffering Output Output tested voltage Output voltage range Resistance to reverse feed max. Output rated current Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals Approvals Approvals Approvals Approvals Approvals Approvals Are signal potection Power Boost No Constant current or fuse Fine signal contact No A / 50 ms Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals A		. , ,	<30 A, NTC
Mains buffering Output Output tested voltage Output voltage range Resistance to reverse feed max. Output rated current Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals Approvals Approvals Approvals Approvals Approvals Approvals Are signal potection Power Boost No Constant current or fuse Fine signal contact No A / 50 ms Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals A		Input fuse internal	3 x 6.3 A (slow-blow)
Mains buffering Output Output tested voltage Output voltage range Resistance to reverse feed max. Output rated current Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals Approvals Approvals Approvals Approvals Approvals Approvals Are signal potection Power Boost No Constant current or fuse Fine signal contact No A / 50 ms Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals A		Recommended back-up fuse (circuit breaker)	10 A, 16 A, characteristics B, C
Mains buffering Output Output tested voltage Output voltage range Resistance to reverse feed max. Output rated current Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals Approvals Approvals Approvals Approvals Approvals Approvals Are signal potection Power Boost No Constant current or fuse Fine signal contact No A / 50 ms Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Active signal outputs Approvals A		Harmonic correction	passive
Output rated voltage Output rated voltage Output voltage range Resistance to reverse feed max. Output rated current 40.00 A Parallel connection Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Approvals Environment Ambient temperature Derating Safety and protection Protection index Safety class Accessory Connector for signalling PV-CON (optional) PV-WB2 (optional) PV-WB2 (optional) Order numbers		Transient surge voltage protection	Varistor
Output rated voltage Output voltage range Resistance to reverse feed max. Output rated current Parallel connection Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Approvals Environment Ambient temperature Storage temperature Stafety and protection Protection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers		Mains buffering	15.6 / 42.9 ms (400 / 500 Vac)
Output voltage range Resistance to reverse feed max. Output rated current Parallel connection Power Boost Overload behaviour Efficiency Ripple factor Top Boost Overload (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Approvals Environment Ambient temperature Stafety and protection Protection index Safety class Accessory Connector for signalling PV-CON (optional) PV-WB2 (optional) Order numbers		Output	
Resistance to reverse feed max. Output rated current Parallel connection Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signalling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Environment Ambient temperature Storage temperature Derating Protection index Safety and protection Protection index Accessory Connector for signalling PV-CON (optional) PV-WB2 (optional)		Output rated voltage	24 Vdc ±1 %
Output rated current Parallel connection Power Boost Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Environment Ambient temperature Ambient temperature Storage temperature Derating Protection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers		Output voltage range	22.8 - 28.8 Vdc
Parallel connection Power Boost Overload behaviour Efficiency Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Environment Ambient temperature Ambient temperature Storage temperature Portection index Safety class Accessory Connector for signalling Power Boost Overload behaviour Efficiency LED green, LED red, LED yellow No LED green, LED red, LED yellow No A x 24 Vdc, 2 configurable Stand-by-input No URus, cULus Environment Ambient temperature -25° C to +55° C Storage temperature -25° C to +85° C URus, cULus Environment Ambient temperature -25° C to +85° C -25° C to		Resistance to reverse feed max.	35 Vdc
Power Boost Overload behaviour Efficiency Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Environment Ambient temperature Ambient temperature Storage temperature Porated and protection Protection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers		Output rated current	40.00 A
Overload behaviour Efficiency Ripple factor Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Environment Ambient temperature Arbient temperature Derating For C to +55° C Storage temperature Portection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers IDO A / 50 ms Lyp. 93.1 % Lyp. 93.1 % Lyp. 93.1 % LED green, LED red, LED yellow No A x 24 Vdc, 2 configurable Storage LED vellow No LED green, LED red, LED yellow No LED green, LED red, LED yellow No LED green, LED red, LED yellow PVes, RS 232 Argheria Sea, LED red, LED yellow PVes, RS 24 Vdc, 2 configurable LED green, LED red, LED yellow No LED green, LED red, LED yellow No LED green, LED red, LED yellow No A x 24 Vdc, 2 configurable Stand-by-input No URus, cULus Environment Ambient temperature -25° C to +55° C -25° C to +55° C -25° C to +85° C			
Efficiency Ripple factor Top Boost Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Environment Ambient temperature Arbient temperature Derating Stard protection Protection index Safety class Accessory Connector for signalling Adapter cable for interface Signal outputs Atyp. 93.1 % typ. 93.1 % typ. 93.1 % typ. 93.1 % typ. 70 mVss ILED green, LED red, LED yellow No No No At 24 V4C, 2 configurable No Ves, RS 232 Approvals CURus, cULus Environment Ambient temperature -25° C to +55° C Storage temperature -25° C to +85° C -5 %/K > +50° C Safety and protection Protection index IP 20 Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers			
Ripple factor Top Boost Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Approvals Environment Ambient temperature Ambient temperature Storage temperature Derating Safety and protection Protection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers			
Top Boost Signaling Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Environment Ambient temperature Storage temperature Derating Protection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers LED green, LED red, LED yellow LED yellow LED green, LED red, LED yellow LED yellow LED green, LED red, LED yellow LED green, LED red, LED yellow LED green, LED red, LED yellow Pves, RS 232 Ax 24 Vdc, 2 configurable Side Dreating CulRus, cULus CURus, cULus CURus, cULus CURus, cULus CURus, cULus Environment Ax 25° C to +55° C -25° C to +85° C -25° C to +85° C Safety class L, with PE connection Pv-CON (optional) PV-CON (optional) PV-WB2 (optional) PV-WB2 (optional) PV-WB2 (optional)		•	
Signaling Power Good IDC OKI Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Approvals Environment Ambient temperature Storage temperature Derating Protection index Safety and protection Protection index Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers LED green, LED red, LED yellow Pves, RS 232 Aprovals CURus, cULus Eurironment Active Signal Curve, Curve		• •	21
Power Good (DC OK) Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Environment Ambient temperature Storage temperature Derating Protection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers LeD green, LED red, LED yellow No LED green, LED red, LED yellow No LED green, LED red, LED yellow LED green, LED red, LED yellow No Let yellow No LED green, LED red, LED yellow No Let		•	100 A / 50 ms
Potential free signal contact Active signal outputs Stand-by-input Display, interface Approvals Approvals Environment Ambient temperature Storage temperature Derating Protection index Safety and protection Protection index Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers No Yes, RS 232 A x 24 Vdc, 2 configurable 4 x 24 Vdc, 2 configurable 9 x 6 x 6 x 7 x 9 x 9 x 9 x 9 x 9 x 9 x 9 x 9 x 9		0 0	
Active signal outputs Stand-by-input Display, interface Approvals Approvals Approvals Environment Ambient temperature Storage temperature Derating Protection index Safety and protection Protection index Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers A 2 2 Vdc, 2 configurable No CURus, cULus CURus,			
Stand-by-input Display, interface Approvals Approvals Environment Ambient temperature Storage temperature Derating Protection index Safety and protection Protection index Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers Accessory No CURus, cULus CURus CU		• • • • • • • • • • • • • • • • • • • •	***
Display, interface Approvals Approvals Environment Ambient temperature Storage temperature -25° C to +55° C Storage temperature -25° C to +85° C Derating -5 %/K > +50°C Safety and protection Protection index IP 20 Safety class I, with PE connection Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers			-
Approvals Approvals Environment Ambient temperature -25° C to +55° C Storage temperature -25° C to +85° C Derating -5 %/K > +50°C Safety and protection Protection index IP 20 Safety class I, with PE connection Accessory Connector for signalling PV-CON (optional) Adapter cable for interface PV-KOK2 (optional) Side DIN Rail mounting PV-TS35M (optional) Direct screw fastening plate for lateral mounting Order numbers			110
Approvals Environment Ambient temperature Storage temperature Derating -5 ° C to +55 ° C Storage temperature -25 ° C to +85 ° C Derating -5 %/K > +50 ° C Safety and protection Protection index IP 20 Safety class I, with PE connection Accessory Connector for signalling Adapter cable for interface PV-KOK2 (optional) Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers		* *	Yes, R5 232
Environment Ambient temperature -25° C to +55° C Storage temperature -25° C to +85° C Derating -5 %/K > +50° C Safety and protection Protection index IP 20 Safety class I, with PE connection Accessory Connector for signalling PV-CON (optional) Adapter cable for interface PV-KOK2 (optional) Side DIN Rail mounting PV-TS35M (optional) Direct screw fastening plate for lateral mounting Order numbers			
Ambient temperature Storage temperature -25° C to +55° C Storage temperature -25° C to +85° C Derating -5 %/K > +50° C Safety and protection Protection index IP 20 Safety class I, with PE connection Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers		Approvals	cURus, cULus
Storage temperature Derating -5 % C to +85° C Derating -5 %/K > +50°C Safety and protection Protection index Safety class I, with PE connection Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers		Environment	
Derating -5 %/K > +50°C Safety and protection Protection index IP 20 Safety class I, with PE connection Accessory Connector for signalling PV-CON (optional) Adapter cable for interface PV-KOK2 (optional) Side DIN Rail mounting PV-TS35M (optional) Direct screw fastening plate for lateral mounting Order numbers		Ambient temperature	
Safety and protection Protection index Safety class I, with PE connection Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers IP 20 IP 20 IP 20 IP 20 IV 20		Storage temperature	
Protection index Safety class I, with PE connection Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers		•	-5 %/K > +50°C
Safety class Accessory Connector for signalling Adapter cable for interface Side DIN Rail mounting Direct screw fastening plate for lateral mounting Order numbers I, with PE connection PV-CON (optional) PV-KOK2 (optional) PV-TS35M (optional) PV-WB2 (optional)		Safety and protection	
Accessory Connector for signalling PV-CON (optional) Adapter cable for interface PV-KOK2 (optional) Side DIN Rail mounting PV-TS35M (optional) Direct screw fastening plate for lateral mounting PV-WB2 (optional) Order numbers		Protection index	IP 20
Connector for signalling PV-CON (optional) Adapter cable for interface PV-KOK2 (optional) Side DIN Rail mounting PV-TS35M (optional) Direct screw fastening plate for lateral mounting PV-WB2 (optional) Order numbers		Safety class	I, with PE connection
Adapter cable for interface PV-KOK2 (optional) Side DIN Rail mounting PV-TS35M (optional) Direct screw fastening plate for lateral mounting Order numbers		Accessory	
Side DIN Rail mounting PV-TS35M (optional) Direct screw fastening plate for lateral mounting Order numbers PV-WB2 (optional)			PV-CON (optional)
Direct screw fastening plate for lateral mounting Order numbers PV-WB2 (optional)		Adapter cable for interface	PV-KOK2 (optional)
Order numbers		Side DIN Rail mounting	PV-TS35M (optional)
order ridingere		Direct screw fastening plate for lateral mounting	PV-WB2 (optional)
Order Number PVSB 400/24-40		Order numbers	
		Order Number	PVSB 400/24-40





X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for block manufacturer:

Other Similar products are found below:

PVSB 400/24-20 RKD 120/2X24 AIM5.0/2.5 VB1.5/2/24 STEU160/48 TIM300 AVB1.0/2/12 FL4/18 AVB2.3/2/12 FL10/15 FL6/24 FL24/6 STEU320/23 STEU160/23 LR3 48-3/80 LR3 48-5/16 PC-0148-100-0 PM-0112-040-0 PM-0748-400-0 PT 7.5/2/9 FL14/6 FL52/12 GNC24-2.5 DCT24-1.5 VB2.3/2/9 VB 1.5/2/8 SIM100 RKD 100/2X15 LR3 48-5/80 LR3 48-5/90 PM-0112-070-0 PM-0148-020-0 EB-1824-010-0 USTE1000/2X115 FL14/18 FL6/6 VB 0.35/1/15 PC-0324-400-0 STEU250/23 AIM3.2/1.6 AVB3.2/2/12 FL10/12 FL14/15 FL8/6 FL8/9 LR3 48-3/90 PC-0112-150-0 EB-2724-100-0 PVAF 24/3,2AH PT 4.5/2/12