

PropSava Single Phase, 120V, 2-12KVA Series – Mark V

Specifications:

PropSava Type Mark V:	VR-205	VR-206	VR-207	VR-208	
Capacity:	5KVA	12KVA	18KVA	23KVA	
Input voltage for all models:	120V \pm 15% 50Hz				
Output voltage for all models:	Normal mode: 110V \pm 1% Optimal mode: 105V \pm 1%				
Output Maximum Current:	18A	45A	80A	120A	
Efficiency:	\geq 98%				
Response time:	\leq 40ms				
Output wave:	Additional Waveform deformation less than 0.4%.				
Protection:	Over voltage:	If output voltage is above 138V for 5 seconds the system will activate automatic by-pass.			
	Under voltage:	If output voltage is under 102V for 5 seconds the system will automatically enter by-pass state.			
	Over load:	If output current exceeds 100% of maximum rated current for 20 seconds, then system will automatically enter by-pass state.			
	Surge Protection:	IEC class II surge protection. Nominal discharge surge current is 20KA.			
	By-pass:	Automatic/Manual			
EMC and Safety	EMC:	FCC: FCC PART15 Class B			
	LVD:	UL1012			
Life cycle:	Designed for 10 years minimum , up to 25 years subject to 10 year service intervals.				
Others:	Display:	Digital meter shows output voltage and power			
	Cooling:	Temperature controlled, low noise, long life Fan			
	Working temperature:	\leq 65C			
	Ambient temperature:	-15 - 40C			
	Humidity :	0~95% (Not freezing point)			
Physical:	Dimensions	300mm (H) x450mm (W) x450mm (D)	350mm (H) x450mm (W) x450mm (D)	380mm (H) x500mm (W) x520mm (D)	380mm (H) x600mm (W) x570mm (D)
	Weight:	31KG (Net 44KG)	48KG (Net 62KG)	65KG (Net 80KG)	85KG (Net 104KG)
	Enclosure:	IP22			
	Feet:	4 wheels			

PropSava-Single Phase Standard Surge Arrester installed V 20-C/1+NPE-280 technical data:

Note: alternatives such as ABB, DEHN, PHOENIX, Schneider maybe used without notice.

Surge Controller surge arrester Description	V 20-C/1+NPE-280
Maximum continuous operating voltage U_c	280 V~
LPZ	1 → 2
Requirement class to VDE 0675, Part 6 (Draft 11.89) A1, A2 to IEC 61643-1	C Class II
Tested to:	IEC 61643-1, pr EN 61643-1, E DIN VDE 0675-6:1989-11 and Part 6/A1
Nominal discharge current of the upper part I_n (8/20)	20KA
Maximum discharge current of the upper part I_{max} (8/20)	50 kA
Voltage protection level at 1 kA (8/20) U_p at 5 kA (8/20) U_p at I_n U_p	≤ 1.2 kV ≤ 1.5 kV ≤ 1.8 kV
Response time T_a	<25 ns
Short-circuit withstand strength 25 kA with max. upstream fuse	125 A gL/gG
Connection cross-section	2.5-35 mm ² (single and multi stranded); 2.5-25 mm ² (fine-stranded with core end sleeves)
Mounting	Snap-fitting on 35 mm top-hat rail to DIN EN 50 022
IP Code	IP20
Temperature range ϑ	-40 °C to +80 °C

PropSava-Single Phase Optional Surge Arrestor type V 25-B+C/1+NPE-280 technical data:

Note: alternatives such as ABB, DEHN, PHOENIX, Schneider maybe used without notice.

Surge Controller surge arrester Description	V 25-B+C/1+NPE-280
Maximum continuous operating voltage U_c	280 V \sim
LPZ	0 \rightarrow 2
Requirement class to VDE 0675, Part 6 (Draft 11.89) A1, A2 to IEC 61643-1	B+C Class I+II
Tested to:	IEC 61643-1, pr EN 61643-1, E DIN VDE 0675-6:1989-11 and Part 6/A1
Nominal discharge current of the upper part I_n (8/20)	30KA
Maximum discharge current of the upper part I_{max} (8/20)	50 kA
Voltage protection level at 1 kA (8/20) U_p at 5 kA (8/20) U_p at I_n U_p	≤ 0.9 kV ≤ 1.2 kV ≤ 1.5 kV
Response time T_a	<25 ns
Short-circuit withstand strength 25 kA with max. upstream fuse	160 A gl/gG
Connection cross-section	2.5-35 mm ² (single and multi-stranded); 2.5-25 mm ² (fine-stranded with core end sleeves)
Mounting	Snap-fitting on 35 mm top-hat rail to DIN EN 50 022
IP Code	IP20
Temperature range ϑ	-40 °C to +80 °C