

VÄXELRIKTARE 32 kW



Flexible

- Easy to handle without lift machinery assistance, lower cost of installation and maintenance
- Integrated DC fuse and DC type 2 SPD lightning protection
- DC switch, safe and convenient for maintenance
- Dual MPPT (B100108)

Efficient

- Max. Efficiency at 98,3 %
- Wide DC input voltage range, max. 1000 V

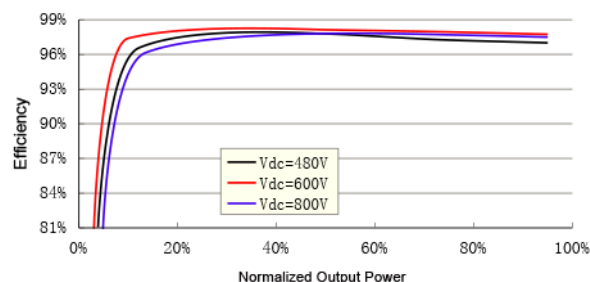
Grid-friendly

- Active power continuously adjustable (0~100%)
- Reactive power control with power factor 0.9 overexcited to 0.9 underexcited

Qualified

- TÜV, CE, CEIO-21, CGC, BDEW, VDE AR N 4105, CGC certification

Efficiency Curve:



Mechanical Data

Dimensions (W x H x D): 634 x 820 x 257 mm

Mounting Method: Wall bracket

Weight: 65 kg

VÄXELRIKTARE 30 kW

	B100107	B100108
Input Side Data		
Max. PV Input Power	32 kW	
Max PV input Voltage	1000V	
Startup voltage	300 V	
Nominal input voltage	650 V	
MPP voltage range	280~950 V	
MPP voltage range for nominal power	480~800 V	
No. of MPPTs	1	2
Max.number of PV strings per MPPT	10	5
Max. PV input current	66 A	66 A (33 A/33A)
Max. current for input connector	10 A	
Short-circuit current of PV input	80 A	80 A (40 A/40 A)
Output Side Data		
Nominal AC output power	30 kW	
Max. AC output apparent power	33120 VA	
Max. AC output current	48 A	
Nominal AC voltage	3/N/PE, 230/400 Vac	
AC voltage range	310~450 Vac	
	(May vary as per corresponding country's grid standard)	
Nominal grid frequency	50 Hz	
Grid frequency range	45~55 Hz	
	(May vary as per corresponding country's grid standard)	
THD	<3% (Nominal power)	
DC current injection	<0,5% In	
Power factor	>0,99@default value at nominal power, (adj. 0,9 overexcited~0,9 underexcited)	
Protection		
Anti-islanding protection	Yes	
LVRT	Yes	
DC reverse connection protection	Yes	
AC short circuit protection	Yes	
Leakage current protection	Yes	
DC switch	Integrated	
DC fuse	Integrated	
Overvoltage protection	Type II DIN rail surge arrester	
System Data		
Max. efficiency	98,3 %	
Max. European efficiency	98 %	
Isolation method	Transformerless	
Ingress protection rating	IP65 (Fan IP55)	
Night power consumption	<1 W	
Operating ambient temperature range	-25~60 °C (>45 °C derating)	
Allowable relative humidity range	0-95 % non-condensation	
Cooling concept	Smart forced air cooling	
Max. operating altitude	4000 m (>2000 m derating)	
Display	Graphic LCD	
Communication	RS485	
DC connection type	MC4	
AC connection type	Spring Clamp terminal	
Certification		

VDE0126-1-1, EN62109-1, EN62109-2, G59/2, CEI-021, AS/NZS 3100, AS4777.2, AS4777.3, VDE-AR-N-4105, BDEW, CGC certification