



Model					
	EVR1000-20000E	EVR1000-30000E	EVR1000-40000D(E)	EVR1000-40000C(E)	EVR1000-60000C
Input Parameters					
Connection Type	U/V/W+PE	U/V/W+PE	U/V/W+PE	U/V/W+PE	U/V/W+PE
Rated Input Voltage	400Vac	400Vac	380Vac	380Vac	380Vac
Input Voltage Range	260~490Vac	270~520Vac	270~530Vac	260~528Vac	260~530Vac
Input Frequency	50Hz/60Hz	45Hz~65Hz	45Hz~65Hz	45Hz~65Hz	45Hz~65Hz
Constant Power	20kW	30kW	40kW	40kW	60kW
Max. Power Factor	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99
THDi	≤5%	≤5%	≤5%	≤5%	≤5%
Max. Efficiency	≥95%	≥96.5%	≥96.5%	≥96.5%	≥97.5%
Output Parameters					
System Power	20kW	30kW	40kW	40kW	60kW
Output Voltage Range	150~1000Vdc	150~1000Vdc	150~1000Vdc	150~1000Vdc	50~1000Vdc
Output Current	≤66.7A, see U/I curve	≤100A, see U/I curve	133.3A, see U/I curve	100A, see U/I curve	≤200A
Output Current Accuracy	≤±1.0%	≤±1.0%	≤±1.0%	≤±1.0%	≤±1.0%
Output Voltage Accuracy	≤±0.5%	≤±0.5%	≤±0.5%	≤±0.5%	≤±0.5%
Operating Environment					
Operating Temperature Range	-40°C~+55°C, w/o derating; +55°C~+70°C,	-40°C~+55°C, w/o derating; +55°C~+70°C,	-40°C~+55°C, w/o derating; +55~+75°C, derating	-40°C~+55°C, w/o derating; +55~+75°C, derating	-40°C~+55°C, w/o derating; +55~+75°C, derating
Operating Humidity	0-95%	0-95%	0-95%	0-95%	0-95%
Altitude	≤2000m	≤2000m	≤2000m	≤2000m	≤2000m
Physical Characteristics					
Dimensions	248×487.2×84mm	248×461.2×84mm	248×461.2×110mm	300×437.5×84mm	300×463.5×125mm
Degree of Protection	IP20	IP20	IP20	IP20	—
Cooling Method	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling
Noise Level	≤65dB	≤65dB	≤65dB	≤65dB	≤60dB

Weight	10kg	15kg	17kg	17kg	≤23kg
Communication & Protection					
Communication	CAN 2.0	CAN 2.0	CAN 2.0	CAN 2.0	CAN 2.0
Input Circuit Protection	Built-in SPD, Fuse,	Built-in SPD, Fuse,	Built-in SPD, Fuse, Varistor	Built-in SPD, Fuse, Varistor	Built-in SPD, Fuse, Varistor
Output Circuit Protection	External fuse	External fuse	External fuse	External fuse	External fuse
Standards & Certifications					
EMC	EN61851-1 / EN61851-23	EN61851-1 / EN61851-	EN61000-6-1 / EN61000-6-	EN61000-6-1 / EN61000-6-	—
LVD	EN61000-6-1 / EN61000-6-3 / Class B	EN61000-6-1 / EN61000-6-3 / Class B	EN61851-1 / EN61851-23	EN61851-1 / EN61851-23	—
Certification	CE by TÜV SÜD	CE by TÜV SÜD	CE by TÜV SÜD	CE by TÜV SÜD	—