

<b>Model</b>	<b>EVRC1000-30000C</b>
<b>Input Parameters</b>	
Rated Input Voltage	3-Phase, 380 Vac / 660 Vdc
Input Voltage Range	AC: 320 ~ 490 Vac (full load); 270 ~ 320 Vac (derating) DC: 500 ~ 750 Vdc (full load); 350 ~ 500 Vdc / 750 ~ 800 Vdc
Input Current	< 60 A
Input Frequency	45 Hz ~ 65 Hz (AC)
Power Factor (PF)	≥ 0.99
THDi	≤ 5%
Input Protection	Fuse; Surge Protection Circuit (SPD)
<b>Output Parameters</b>	
Output Rated Value	1000 V @ 30 A
Output Voltage Range	200 ~ 1000 Vdc
Constant Power Range	300 ~ 1000 Vdc
Output Current Range	0 ~ 100 A (T ≤ 55°C)
Peak-to-Peak Ripple & Noise	≤ 1.0%
Voltage Stabilized Accuracy	≤ ± 0.5%
Current Regulation Accuracy	≤ ± 1.0%
Current Sharing Error	≤ ± 5.0%
Efficiency	≥ 96.5% (peak)
<b>Operating Environment</b>	
Operating Temperature Range	-40°C ~ 50°C (normal operation); 50°C ~ 75°C (linear derating output)
Storage Temperature Range	-40°C ~ 75°C
Relative Humidity	0 ~ 95% RH (non-condensing)
Altitude	2000m (full load output)
<b>Physical Characteristics</b>	
Dimensions (W×H×D)	248×84×461.2 mm (without handle)

Net Weight	Approx. 15 kg
<b>Communication &amp; Control</b>	
Communication Interface	CAN Bus
Max. Paralleling Quantity	60 Units
Alarm & Status Monitoring	Alarms and status uploaded via CAN Bus; 3 panel LED indicators, 2
<b>Protection &amp; Function</b>	
Anti-backfeed Diode Failure Isolation	Supported
Output Discharge Function	Supported
<b>Safety &amp; Reliability</b>	
Dielectric Strength	Input-Chassis, Output-Chassis, Input-Output: 3535 Vdc, 1 min; Input-COM, Output-COM: 4300 Vdc, 1 min; COM-Chassis: 1400 Vdc, 1 min
MTBF	> 120,000 Hours
<b>Standards &amp; Certifications</b>	
Safety Standard	Compliant with IEC 61851