

Model	EVR130-10000L
Input Parameters	
Rated Input Voltage	3-Phase, 200 Vac / 240 Vac
Input Voltage Range	176 ~ 250 Vac (full load); 145 ~ 176 Vac (linear derating to half load)
Input Current	< 45 A
Frequency	45 Hz ~ 65 Hz
Power Factor (PF)	≥ 0.99
THDi	$\leq 5\%$
Input Protection	Fuse; Surge Protection Circuit (SPD)
Output Parameters	
Rated Output Power	10 kW
Rated Output Current	75 A
Output Voltage Range	65 ~ 135 Vdc
Adjustable Current Limiting Range	10% ~ 110% Stepless Adjustable
Peak-to-Peak Ripple & Noise	$\leq 1.0\%$
Voltage Stabilized Accuracy	$\leq \pm 1.0\%$
Current Regulation Accuracy	$\leq \pm 1.0\%$
Current Sharing Error	$\leq \pm 5.0\%$
Efficiency	Full load efficiency > 93.5%, peak efficiency > 95.0%
Operating Environment	
Operating Temperature Range	-40°C ~ 55°C (normal operation); 55°C ~ 75°C (Derating Output)
Storage Temperature Range	-40°C ~ 75°C
Relative Humidity	0 ~ 95% RH (non-condensing)
Altitude	2500m (full load output)
Physical Characteristics	
Dimensions (W×H×D)	240×85×398 mm
Net Weight	8 kg

Communication & Control	
Communication Interface	CAN Bus
Max. Paralleling Quantity	60 Units
Status Monitoring	Alarms and status uploaded via CAN Bus; 3 panel LED indicators
Protection & Function	
Output Protection	Output positive and negative fuse protection
Safety & Reliability	
Dielectric Strength	Input-Chassis: 2500 Vac / 50Hz (or 3535 Vdc), 1 min; Input-Output: 3000 Vac / 50Hz (or 4242 Vdc), 1 min; Output-Chassis: 1500 Vac / 50Hz (or 2121 Vdc), 1 min
MTBF	> 120,000 Hours