EVERGRID

TECHNOLOGY INC

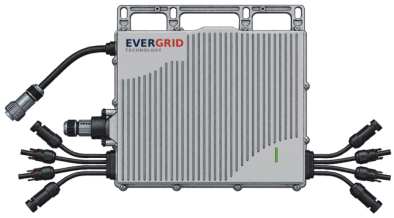
CLEAN ENERGY

A BRIGHTER TOMORROW

SMARTER SOLAR FOR A GREENER TOMORROW

EGHX-2000T-208 / 480

High-performance three-phase hybrid microinverter for commercial solar-plus-storage systems, available in 208V and 480V variants.



KEY FEATURES

LFP Battery
48V rated battery voltage. 2000W charging / discharging.

PV Input
700 W × 4 recommended max. input. 22 – 55V MPPT operating range.

Integrated Protection
Anti-islanding protection: Yes.

Monitoring & Enclosure
LED light indicator with power-line communications.

TYPICAL APPLICATION

PV + Inverter + Battery

CERTIFICATION

ETL Listed (Intertek) · UL 1741 · IEEE 1547 · NEC 2024 compliant

EGHX-2000T-208 / 480 FULL SPECIFICATIONS

Model	EGHX-2000T-208	EGHX-2000T-480
INPUT | DC		
Recommended Max PV Power	400 to 700W	
Max DC Open Circuit Voltage	65 Vdc	
Max DC Input Current	20 A x 4	
MPPT Tracking Accuracy	>99.8%	
MPPT Tracking Range	18 – 60 Vdc	
ISC PV (Absolute Maximum)	25 A x 4	
Maximum Backfeed Current to Array	0 A	
OUTPUT | AC		
Peak AC Output Power	2250 W	
Max Continuous Output Power (3φ)	2000 W	
Nominal Power Grid Voltage	208 Vac	480 Vac
Allowable Power Grid Voltage	183–228 Vac, 3φ	422–528 Vac, 3φ
Rated Output Current	6.3 A	2.7 A
Allowable Power Grid Frequency	55 - 65Hz (Adjustable)	
THD	<3% (at rated power)	
Power Factor	>0.99 default, 0.8 leading ~ 0.8 lagging	
Nominal Frequency	60 Hz	
SYSTEM EFFICIENCY		
Weighted Average Efficiency (CEC)	96.5%	
Nighttime Tare Loss	0.2 W	
PROTECTION FUNCTION		
Over/Under Voltage Protection	Yes	
Over/Under Frequency Protection	Yes	
Anti-Islanding Protection	Yes	
Over Current Protection	Yes	
Reverse DC Polarity Protection	Yes	
Overload Protection	Yes	
GENERAL		
Protection Degree	NEMA-6 / IP-66 / IP-67	
Ambient Temperature	−40°F to +149°F (−40°C to +65°C)	
Operating Temperature	−40°F to +185°F (−40°C to +85°C)	
Display	LED Light	
Communications	Power Line Communications / WiFi	
Environment Category	Indoor and outdoor	
Wet Location	Suitable	
Pollution Degree	PD 3	
Over Voltage Category	II (PV), III (AC Mains)	