

Technical Specifications

EPI-3000-192	
Rated power	3 KW
Battery voltage	192 Vdc
Operating mode	PV priority / AC priority
Pv Input	
Input voltage range	192 Vdc ~ 400 Vdc
Max. charging current	10 ~ 60 A selectable
Optimum operating voltage (Vmp)	240 ~ 284 Vdc
Max. PV power (Pmax)	7680 W
Max. conversion efficiency	98%
Ac Input	
Input voltage	117 - 122 Vca
Input frequency	40 ~ 70 Hz (overloading: auto transfer to DC power supply)
Output voltage	120 Vca ± 5%
Input power factor	≥ 0.8
Max. efficiency	88% (online mode)
Max. charging current	12 A
Short circuit	Current-limiting, transfer to bypass; air circuit-breaker
Inverter Output	
Output voltage	120 Vca ± 5%
Output frequency	50 Hz / 60 Hz ± 1% (auto-sense)
Output power factor	1
Waveform distortion	≤ 5% (linear load)
Transfer time (PV – AC)	0 ms
Max. efficiency	92%
Short circuit	Current-limiting, transfer to bypass or system auto shutdown
Alarms	
Utility power abnormal	4 s per beep , auto mute in 40 s
Low battery	0.2 s per beep
Overload	1 s per beep
Communications	
Communication interface	RS232, USB, RS485, SNMP (optional)
Dry contacts	PV fault, low battery, overload, bypass, inverter fault, generator ON / OFF
Others	
Overload protections	110% for 255 s; 125% for 60 s; 150% for 10 s
Wiring	Terminal blocks
EMI	EN62040-2:2006; EN61000-3-2:2006; EN61000-3-3:2008
IP rating	IP20
Ambient temperature	0 ~ 40°C
Relative humidity	10% ~ 90% (non-condensing)
Noise	≤ 50 dB
Operating altitude	2000 m (derating 1% for each additional 100 m)
Dimensions (W × D × H) (mm)	560 × 265 × 725
Packaged dimensions (W × D × H) (mm)	662 × 360 × 905
Net weight (kg)	60
Gross weight (kg)	69

