SMI 3300 Inverter Series

3.3 to 52.8kVA Inverter System

- Scalable system size from 3.3 to 52.8kVA
- Hot swappable and readily accessible
- Advanced PWM switchable technology

SMI 3300

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Electrical	
Output Waveform:	True sine wave, <1% distortion (unity PF) <3% distortion (3:1 crest factor test load)
Output Voltage/frequency	
SMI-3300-12060:	120Vac/60Hz nominal
SMI-3300-24050:	240Vac/50Hz nominal
Output Power:	3300VA / 2750W, with 120% continuous overload capability
Load-line Regulation:	Within ±2.5% combined
Crest Factor Handling:	3:1
Input Voltage:	-48Vdc nom; accepts 42 to 60Vdc range
Input Current:	Nominal full load: 60A @ 54Vdc
Battery Feedback Noise:	<30dBrnC
Efficiency:	>90% from 50 to 100% full load
Protection :	Reverse DC polarity protection, output short circuit/ over current protection, over temperature, DC input magnetic circuit breaker, DC input low voltage shutdown
LED Indicators:	Battery On/Reversed, Inverter On/Fail, Tri-level inverter loading indicator
Approvals:	UL 1778 Listed, CE Mark on 50Hz version FCC Class A subpart 15J, EN55022 Class A
Mechanical	
Module Dimensions (in/mm):	5.13 x 9.38 x 14.25 / 130 x 238 x 362
Mounting:	"M Series" cage assemblies
Module Weight (lb/kg):	20.5 / 9.3
Finish:	Black fine texture powder coat
Environmental	
Operating Temperature:	0 to 50°C / 32 to 122°F (Forced-air fan cooling)
Humidity:	0 to 95% non-condensing
Elevation:	3000m / 10000ft before derating
Noise:	<51dBA at 1 meter
Heat Output:	1403BTU/hr per module at full load

Cage Assemblies and Other Inverter System Components

Cages to Fit in Any 19/23" Rack Space

"M Series" Cage Assemblies are available that house up to 2, 3, or 4 SMI3300 inverter modules. The M6.6 is a low profile, 23" rackmount, module unit. The M9.9 is a 19" rackmount, 3 module unit and the M13.2 is a 23" rackmount, 4 module unit. All cage assemblies are 22" (559 mm) deep.

Fully Equipped Single Cage Inverter Systems

The "-F" Cage Assemblies are fully equipped with automatic bi-directional transfer logic, a fast "ETS" transfer switch and alarm logic to comprise a single cage inverter system. All DC input, AC in/out and alarm connections are made via rear access terminal blocks and connections in the "-F" cage assemblies. Alarm outputs include Inverter Module Failure, Overload and Transfer Switch Status. The following single phase fully equipped cages are available: M6.6-12060-F, M9.9-12060-F and M13.2-12060-F. A dual phase split-cage system can be configured (specify M13.2-24060-F). It accommodates single and dual phase loads together.

Multi-Cage Inverter Systems

The "-S" Cage Assemblies, M9.9-12060-S and M13.2-12060-S, are not equipped with a transfer switch or alarm logic. They are used with a junction control panel or transfer and metering panel which combines the AC output from all cages in multi-cage systems. The system transfer, metering and alarm functions are located in these panels. Single phase systems can utilize up to 3 "-S" Cage Assemblies for a maximum capacity of 39.6kVA. Dual phase systems can utilize either 2 or 4 "-S" Cage Assemblies for a capacity of up to 52.8kVA. The L1-N-L2 output will accommodate single phase 120Vac and dual phase 240Vac loads together.

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