

EEI MASTER SOLAR INVERTER

FOR A WIDE RENEWABLE ENERGY INTEGRATION

EEI Master Solar Inverter is the solution for medium and big scale solar plants installed on industrial rooftops. Thanks to his high reliability and robustness it gives fast and safe return of investment.

Thanks to its modular and flexible configuration Master Solar Inverter can be integrated in large scale solar plant with high redundancy and uptime of the conversion part.

The EEI Master Solar Inverters are design to last more than 25 years and ready to be applied for multiple applications:

- Easy integration in all kind of containers thanks to reduced depth
- Suitable to revamp old inverters from existing solar plants
- DC coupled battery ready with EEI DC Battery Charger
- Off grid operation when coupled with EEI DC Battery Charger



MODULAR
Easy configuration for all kind of project from small to multi MW



FLEXIBLE
Ready for DC coupled battery with EEI DC Battery Charger



RELIABLE
Equipped with latest power technology and design with more than 40 years of experience





MODEL	MASTER SOLAR 250	MASTER SOLAR 300
AC OUTPUT PARAMETERS		
Rated power at 50°C	280 kVA	360 kVA
Rated power at 50°C cos=0,9	250 kW	330 kW
Nominal voltage	320V 3Ph	400V 3Ph
AC Voltage range	+10% / -10%	+10% / -10%
Nominal frequency	50 / 60 Hz	50 / 60 Hz
Nominal frequency range	± 5%	± 5%
Nominal Current	476 A	476 A
Power factor range (PQ dispatch)	adjustable between 0.9 and 1	adjustable between 0.9 and 1
Max Admissible Short Circuit Current	35 kA	35 kA
THD(I)	< 3%	< 3%
PV INPUT PARAMETERS		
N° of inputs	4	4
Maximum DC current per input	150 A	150 A
MPPT Voltage range	525-850 V	650-850 V
Maximum DC voltage	1000 V	1000 V
EFFICIENCY		
Maximum	> 98,5 %	> 98,5 %
GENERAL DATA		
Dimensions (W / H / D)	1200 / 2450 / 600 mm	1200 / 2450 / 600 mm
Weight	975 kg	975 kg
Operating temperature range	0°C / +50°C	0°C / +50°C
Max humidity (non-condensing) / Max altitude	95% / asl 2000 m	95% / asl 2000 m
PROTECTIONS		
PV side disconnection device	MCCB	MCCB
EMC filter	Included	Included
AC-side disconnection device	AC circuit breaker	AC circuit breaker
AC overvoltage protection	Surge Suppressors	Surge Suppressors
PV DC overvoltage protection	Surge Suppressors	Surge Suppressors
RCM	Included	Included