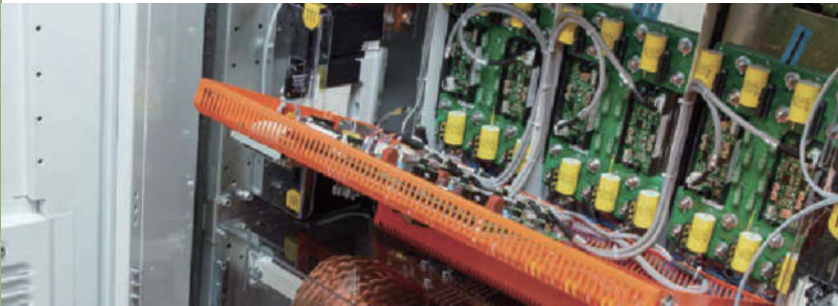
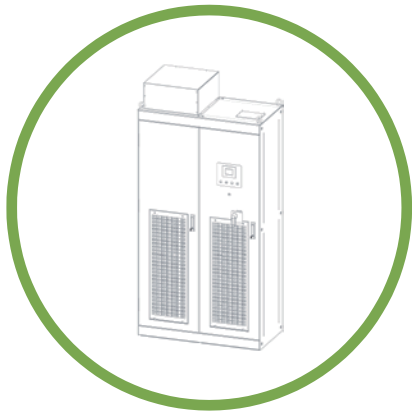


MASTER INVERTER SERIES



SUITABLE FOR INSTALLATION
OF MPPT STRING BOOST
AND DC BATTERY CHARGER

EEl Master Inverter Series for a wide renewable energy integration

EEl Master Inverter Series is the solution for integration of PV systems and storage systems. It is designed to offer the most flexible integration of solar or battery, with the possibility to use the solar energy through the EEl MPPT String BOOST and batteries through EEl DC Battery Charger.

The hallmarks of the EEl Master Inverter Series converters are:

- Flexible integration with MPPT String Boost and DC Battery Charger
- Extended power capability through parallel
- Grid tie and off-grid functioning

	EEl MASTER 100	EEl MASTER 300
AC OUTPUT PARAMETERS		
Rated power	100 kW	330 kW
Maximum power	110 kVA	360 kVA
Nominal voltage	400V 3Ph + N	400V 3Ph
AC Voltage range	+10% / -10%	+10% / -10%
Nominal frequency	50 / 60 Hz	50 / 60 Hz
Nominal frequency range	47,5...51,5 Hz / 56,4...62,4 Hz	47,5...51,5 Hz / 56,4...62,4 Hz
Nominal Current	145A	476A
Power Factor	adjustable between 0.85 and 1	adjustable between 0.85 and 1
Max Admissible Short Circuit Current	35kA	35kA
THD(I)	< 3%	< 3%
PV INPUT PARAMETERS		
N° of MPPT BOOST inputs	2	4
Maximum DC current per input	100A	150A
EFFICIENCY		
Maximum	> 98 %	> 98%
GENERAL DATA		
Dimensions (W / H / D)	800 / 2300 / 600 mm	1200 / 2450 / 600 mm
Weight	500kg	975kg
Operating temperature range	0°C / +50°C	0°C / +50°C
Max humidity (non-condensing) / Max altitude	95 % / asl 2000m	95 % / asl 2000m
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