

# EEI MASTER STORAGE INVERTER 250 / 330





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The EEI Master Storage inverter is the solution to integrate energy storage systems. It is designed to offer all kind of grid management services.

The hallmarks of the EEI Master Storage are:

- Fast response to power quality reference signals (lower than 100 ms)
- High regulation accuracy (lower than 1%)
- Compatible operation with most types of battery
- Battery control via standard communication protocol
- Insulation monitoring device



- MODULAR**  
Easy configuration for all kind of project from small to multi MW 
- ADAPTIVE**  
Wide DC voltage range for all type of batteries 
- ADVANCED**  
Flexible software configuration allows wide functionalities 
- READY**  
In-Built functions for frequency and voltage regulation 



MODEL	MASTER STORAGE 250	MASTER STORAGE 330
<b>DC SIDE PARAMETERS</b>		
Max charge /discharge Power	250 kW	330 kW
N. of inputs	Up to 4	Up to 4
Max. Input Current	600 A	600 A
Input Voltage range	525 ÷ 1000 VDC	650 ÷ 1000 VDC
Breaking capacity per input	50 kA	50 kA
Electric Interface	DC Disconnecter + Fuses	DC Disconnecter + Fuses
<b>AC SIDE PARAMETERS</b>		
Rated AC power	280 kVA	360 kVA
Mains voltage	320 VAC +10% / -10% 3Ph	400 VAC +10% / -10% 3Ph
Rated Frequency	50/60 Hz +5% / -5%	50/60 Hz +5% / -5%
Rated Current	476 A	476 A
THDI	< 3%	< 3%
<b>EFFICIENCY</b>		
Maximum Efficiency	98,6 %	98,6 %
<b>GENERAL DATA</b>		
Dimensions (W / H / D)	1200 / 2450 / 600 mm	1200 / 2450 / 600 mm
Weight	975 kg	975 kg
Operating temperature	0°C ÷ 50°C	0°C ÷ 50°C
Storage temperature	-10°C ÷ 60°C	-10°C ÷ 60°C
Max Humidity (non condensing)/Max altitude	95% / asl 1000m	95% / asl 1000m
External auxiliary supply	230V 1Ph+N / 400V 3Ph	230V 1Ph+N / 400V 3Ph
Protection Degree	IP 31	IP 31

#### MAIN APPLICATIONS



**DEMAND  
SHIFTING**



**BACK-UP**



**ON-GRID  
OFF-GRID**



**UNBALANCED  
LOADS**



**POWER  
QUALITY**

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# EEI MASTER STORAGE INVERTER 610 / 760

## APPLICATIONS

The EEI Master Storage Inverters are used for:

- Frequency regulation
- Power quality (eg voltage regulation)
- Peak shaving
- Load levelling
- Black-start
- LVRT / OVRT

## SUPPORT AND SERVICE

EEI supports its customer with a dedicated service department and provides a complete range of cycle services from commissioning to maintenance, spare parts and repairs.

## OPTIONS

- Residual current monitoring device
- Insulation transformer
- Warranty extensions
- Remote monitoring solutions



### MODULAR

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



### ADAPTIVE

Wide DC voltage range for all type of batteries



### ADVANCED

Flexible software configuration allows wide functionalities



### READY

In-Built functions for frequency and voltage regulation





MODEL	MASTER STORAGE 610	MASTER STORAGE 760
<b>DC SIDE PARAMETERS</b>		
Max charge /discharge Power	610 kW	760 kW
N. of inputs	Up to 4	Up to 4
Max. Input Current	1135 A	1135 A
Input Voltage range	550 ÷ 1100 VDC	680 ÷ 1100 VDC
Breaking capacity per input	50 kA	50 kA
Electric Interface	DC Disconnecter + Fuses	DC Disconnecter + Fuses
<b>AC SIDE PARAMETERS</b>		
Rated AC power	610 kVA	760 kVA
Mains voltage	320 VAC +10% / -10% 3Ph	400 VAC +10% / -10% 3Ph
Rated Frequency	50/60 Hz +5% / -5%	50/60 Hz +5% / -5%
Rated Current	1095 A	1095 A
THDI	< 3%	< 3%
<b>EFFICIENCY</b>		
Maximum Efficiency	98,8 %	98,8 %
<b>GENERAL DATA</b>		
Dimensions (W / H / D)	2000 / 2200 / 600 mm	2000 / 2200 / 600 mm
Weight	1250 kg	1250 kg
Operating temperature	0°C ÷ 50°C	0°C ÷ 50°C
Storage temperature	-10°C ÷ 60°C	-10°C ÷ 60°C
Max Humidity (non condensing)/Max altitude	95% / asl 1000m	95% / asl 1000m
External auxiliary supply	230V 1Ph+N / 400V 3Ph	230V 1Ph+N / 400V 3Ph
Protection Degree	IP 31	IP 31

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