





EEI MASTER STORAGE INVERTER 250 / 330

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 |
|--|-------------------------|-------------------------|
| DC SIDE PARAMETERS | | |
| 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 |
| AC SIDE PARAMETERS | | |
| 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% |
| EFFICIENCY | | |
| Maximum Efficiency | 98,6 % | 98,6 % |
| GENERAL DATA | | |
| 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**

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 |
|--|-------------------------|-------------------------|
| DC SIDE PARAMETERS | | |
| 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 |
| AC SIDE PARAMETERS | | |
| 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% |
| EFFICIENCY | | |
| Maximum Efficiency | 98,8 % | 98,8 % |
| GENERAL DATA | | |
| 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 |

MAIN APPLICATIONS



**DEMAND
SHIFTING**



BACK-UP



**ON-GRID
OFF-GRID**



**UNBALANCED
LOADS**



**POWER
QUALITY**