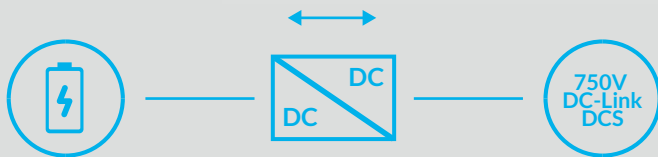
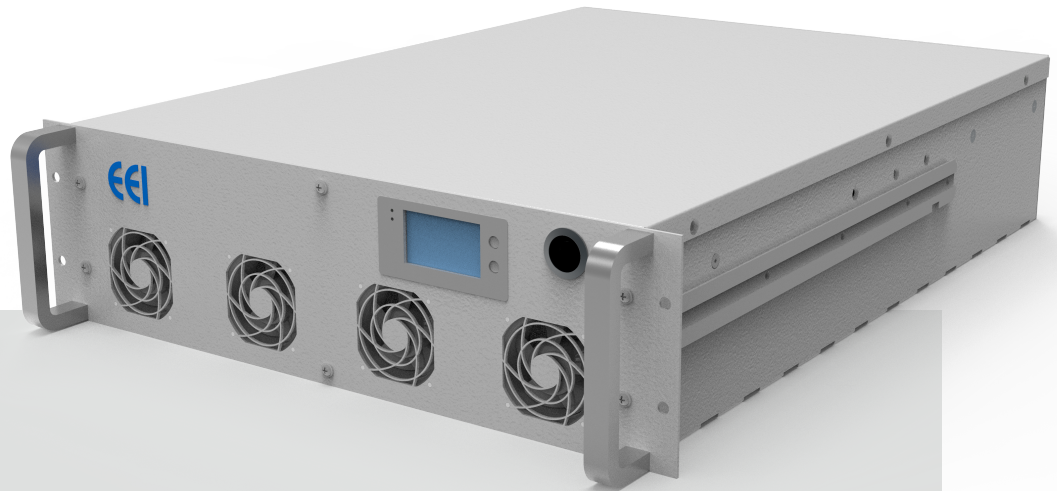


BI - DIRECTIONAL DC/DC CONVERTER

Battery Integration with DC Coupled System (DCS)

50kW / 75 kW



Key Features

- Designed for 750V DC Coupled System (DCS) as the interface between battery and DC Link
- Bi-directional design for charging and discharging battery storage system
- Accept wide battery type and voltage range
- Using one DC/DC converter to dedicate to each string of battery can ensure optimal performance and safety in multiple string energy storage system
- Unique DC Link voltage control strategy to ensure DCS stability
- Modularity and Parallelable to increase power
- Standard 19" rack (3U) for easy cabinet integration
- Compact and high power density
- Options: quick disconnecter and LCD display

BASIC INFORMATION

Topology	2Q Buck Boost DC/DC	2Q Buck Boost DC/DC
Power Flow	Bi - directional	Bi - directional
Format	19" standard 3U Rack	19" standard 3U Rack

BATTERY SIDE PARAMETERS

Voltage Range - Full Current	350 ÷ 700 V	350 ÷ 700 V
N° of Input	1	1
Max Current per Input	100 A	150 A
Max S.C. Current per Input	50kA	50kA

DC LINK SIDE PARAMETERS

Rated Power	50kW	75kW
Nominal Output Voltage	750V	750V

EFFICIENCY

Maximum	>98%	>98%
---------	------	------

GENERAL DATA

Dimension (W / H / D)	483 / 133 / 650 mm	483 / 133 / 650 mm
Weight	28 kg	30 kg
Operating Temperature Range*	-10°C / +60°C	-10°C / +60°C
Max Humidity (non-condensing) Max Altitude	95 % / asl 2000m	95 % / asl 2000m

PROTECTION

Battery Side Disconnection Device	Fuse	Fuse
-----------------------------------	------	------

*power derating for temperature above 40°C

