

## SERIE OMEGA EV 15KW



### Main Features

- Input power factor correction 0.99.
- High efficiency up to 94.6%.
- Wide input voltage range suits different power environment.
- Wide operation temperature (-30°C ~ 65°C) withstand harsh environment.
- Parallel operation without limitation.
- Supports CAN communication.

### Electric Vehicle Charging Station Specification

MODEL	EV 15KW
CAPACITY	15 KW
<b>AC INPUT</b>	
Nominal Input Voltage	3 - phase 380 VAC
Acceptable Input Voltage Range	304 ~ 496 VAC @ full load 260 - 304 VAC @ linear derating to 6 KW
Working Voltage Range	260 ~ 486 VAC
Maximum Input Current	33 A
Frequency Range	45 ~ 65 Hz
Input Power Factor	>0.99 @ nominal input and full load output >0.98 @ nominal input and half load output
THDi	< 5% @ nominal input and full load output < 10% @ nominal input and half load output
Soft Startup Time	5 ~ 15 S
<b>DC OUTPUT</b>	
DC Output Voltage Range	300 ~ 750 VDC
Nominal Output Current	20 A, 2 ~ 25 A adjustable
Efficiency	94.6%
Voltage Regulation Precision	±0.5%
Current Regulation Precision	±1
Current Sharing Difference	5% @ > 50% load on each UPS
<b>PROTECTION</b>	
Input Over Voltage Protection	496 ± 5 VAC
Input Under Voltage Protection	255 ± 5 VAC
Output Over Voltage Protection	757.5 ± 2.5 VDC
Output Under Voltage Protection	100 VDC
Full Protection	Over-temperature protection, input current unbalanced protection, input current protection, output current protection and output soft startup protection
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	455 x 230 x 85
Net Weight (kgs)	10
<b>ENVIRONMENT</b>	
Humidity	5 ~ 95% Relative Humidity (Non-condensing)
Operating Temperature	-30° ~ 65°C (output derating @ 50°C ~ 65°C)
<b>MANAGEMENT</b>	
Communication	CAN

Product specifications are subject to change without further notice

