



## ANZ iSaver DPFC Specifications

Parameters	iSaver DPFC - 93.5	iSaver DPFC - 187.5
Type	Dynamic Power Factor Correction (DPFC) with Heavy Duty Harmonic Reactors and Surge Protection	Dynamic Power Factor Correction (DPFC) with Heavy Duty Harmonic Reactors and Surge Protection
Installation	Parallel connection to incoming Bus Bar With CT's installed on Mains for indoor installation	Parallel connection to incoming Bus Bar With CT's installed on Mains for indoor installation
Configuration	Suitable for use on 3 wire and 4 Wire AC systems(Internal Delta/Star)	Suitable for use on 3 wire and 4 Wire AC systems(Internal Delta/Star)
iSaver Approval	IEC	IEC
System input Voltage	415 VAC	415 VAC
System Frequency	50 Hz	50 Hz
System Amps Rating	130A	260A
System KVAR capacity @ 600V	93.5KVAR	187KVAR
System design KVAR capacity @ 690V	115KVAR	230KVAR
Total Number of Banks/Electrical Steps	4 Banks & 15 Steps	5 Banks & 15 Steps
Installed Banks	6 + 12.5 + 25 + 50KVAR	12.5 + 25 + 50 + 50 + 50KVAR
Minimum Activation Limit	4.2KVAR	8.75KVAR
Surge Protection(Incomer)	Surge Arrestor Class C, Type II (L-E)	Surge Arrestor Class C, Type II (L-E)
Duty	Continuous Operation	Continuous Operation
Cooling	Forced Air Cooling (Thermally Activated)	Forced Air Cooling (Thermally Activated)
Enclosure	Industrial Steel frame, CNC fabricated with Powder Coating Protection (Shade RAL 7035 - Light Grey)	Industrial Steel frame, CNC fabricated with Powder Coating Protection (Shade RAL 7035 - Light Grey)
Main Unit Safety	High Quality, 200A, 3Pole MCCB (IEC Approved) With Advanced Electronic Release for high Reliability and 25KA SCCR fault rating	High Quality, 400A, 3Pole MCCB (IEC Approved) With Advanced Electronic Release for high Reliability and 50KA SCCR fault rating



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<b>Individual Banks Protection</b>	Dedicated MCCB Protection in Bank 4	Dedicated MCCB Protection in Bank 3 upwards
<b>Small Bank and accessories protection</b>	IEC approved MCB protection	IEC approved MCB protection
<b>Capacitor Type</b>	MKPg Heavy Duty, Non-inflatable, 525V Gas Impregnated, self- healing, MPP, Low loss metalized Polypropylene (Non PCB) Industrial	MKPg Heavy Duty, Non-inflatable, 525V Gas Impregnated, self- healing, MPP, Low loss metalized Polypropylene (Non PCB) Industrial
<b>Capacitor Enclosure &amp; Design type</b>	Extruded Aluminium - Dry Design Inert Gas (N2)-Dry Type	Extruded Aluminium - Dry Design Inert Gas (N2)-Dry Type
<b>Capacitor Impregnation</b>		
<b>Capacitor Mean Life Expectancy</b>	130,000 Hrs (self-healing capability)	130,000 Hrs (self-healing capability)
<b>Capacitor Safety , Touch Proof Terminals &amp; installation</b>	Over pressure disconnect, Class 2	Over pressure disconnect, Class 2
<b>Capacitor Over Current and Inrush Current(IS)</b>	300% IR & 1.5X IS Continuous	300% IR & 1.5X IS Continuous
<b>Capacitor Over Voltage (Vmax) for 1 Min</b>	620 VAC	620 VAC
<b>Capacitor Temperature Range(Ambient)</b>	(-25 deg C to +55 deg C)	(-25 deg C to +55 deg C)
<b>Harmonic Reactor Type</b>	Heavy Duty, 7% Detuned Harmonic Filter Reactor dedicated for each capacitor step	Heavy Duty, 7% Detuned Harmonic Filter Reactor dedicated for each capacitor step
<b>Saturation Limit</b>	1.8 times In (Ensuring very high linearity)	1.8 times In (Ensuring very high linearity)
<b>Reactor Irms</b>	1.15 x In (Continuous)	1.15 x In (Continuous)
<b>Reactor Material</b>	Quality electrical Aluminium (or) Copper winding with low loss iron core	Quality electrical Aluminium (or) Copper winding with low loss iron core
<b>Reactor Insulation Class</b>	Class H- 180 deg C	Class H- 180 deg C
<b>Reactor inbuilt Safety</b>	NC Thermostat operated @125 deg C	NC Thermostat operated @125 deg C
<b>iSaver Dimensions</b>	43.3"(1100mm)(H) x 31.5"(800mm)(W) x 27.5"(700mm)(D)	59"(1500mm)(H) x 35.4"(900mm)(W) x 27.5"(700mm)(D)
<b>iSaver Weight</b>	630 lbs (288 kg)	683 lbs (310kg)