Canada iSaver DPFC Specifications

Parameters	iSaver DPFC-162	iSaver DPFC-250	iSaver DPFC-400	iSaver DPFC-450	iSaver DPFC-650
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	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	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	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	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)	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)	Suitable for use on 3 wire and 4 Wire AC systems(Internal Delta/Star)
iSaver Approval	CSA - UL	CSA - UL	CSA - UL	CSA - UL	CSA - UL
System input Voltage	600 VAC	600 VAC	600 VAC	600 VAC	600 VAC
System Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
System Amps Rating	155A	255A	400A	450A	650A
System KVAr capacity@600V	162.5KVAr	262.5KVAr	400KVAr	450KVAr	650KVAr
System design KVAr capacity@690V	180KVAr	300KVAr	480KVAr	540KVAr	780KVAr
Total Number of Banks/Electrical Steps	4 Banks & 6 Steps	5 Banks & 10 Steps	5 Banks & 8 Steps	5 Banks & 9 Steps	7 Banks & 13 Steps
Installed Banks	12.5 + 25 + 50 + 75KVAr	12.5 +25 + 50 + 75 + 100KVAr	50 + 50 + 100 + 100 + 100KVAr	50 + 100 + 100 + 100 + 100KVAr	50 + 100 + 100 + 100 + 100 + 100 + 100KVAr
Minimum Activation Limit	12.5KVAr	12.5KVAr	35KVAr	35KVAr	35KVAr
Surge Protection(Incomer)	Surge Arrestor Class C, Type II (L-E)	Surge Arrestor Class C, Type II (L-E)	Surge Arrestor Class C, Type II (L-E)	Surge Arrestor Class C, Type II (L-E)	Surge Arrestor Class C, Type II (L-E)
Duty	Continuous Operation	Continuous Operation	Continuous Operation	Continuous Operation	Continuous Operation
Cooling	Forced Air Cooling (Thermally Activated)	Forced Air Cooling (Thermally Activated)	Forced Air Cooling (Thermally Activated)	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)	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)	Industrial Steel frame, CNC fabricated with Powder Coating Protection (Shade RAL 7035 - Light Grey)
Main Unit Safety	High Quality, 250A, 3Pole MCCB (UL/CSA Approved) With Advanced Electronic Release for high Reliability and 50KA SCCR fault rating	High Quality, 400A, 3Pole MCCB (UL/CSA Approved) With Advanced Electronic Release for high Reliability and 50KA SCCR fault rating	High Quality, 600A, 3Pole MCCB (UL/CSA Approved) With Advanced Electronic Release for high Reliability and 50KA SCCR fault rating	High Quality, 600A, 3Pole MCCB (UL/CSA Approved) With Advanced Electronic Release for high Reliability and 50KA SCCR fault rating	High Quality, 1000A, 3Pole MCCB (UL/CSA Approved) With Advanced Electronic Release for high Reliability and 50KA SCCR fault rating

Canada iSaver DPFC Specifications

Individual Banks Protection	Dedicated MCCB Protection in Bank 2 upwards	Dedicated MCCB Protection in Bank 2 upwards	Dedicated MCCB Protection in all Banks	Dedicated MCCB Protection in all Banks	Dedicated MCCB Protection in all Banks
Small Bank and accessories protection	UL-CSA approved fuse protection	UL-CSA approved fuse protection	UL-CSA approved fuse protection	UL-CSA approved fuse protection	UL-CSA approved fuse protection
Capacitor Type	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	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	MKPg Heavy Duty, Non-inflatable,525V Gas Impregnated, self- healing, MPP, Low loss metalized Polypropylene (Non PCB) Industrial
Capacitor Enclosure & Design type Capacitor Impregnation	Extruded Aluminium- Dry Design Inert Gas (N2)-Dry Type	Extruded Aluminium- Dry Design Inert Gas (N2)-Dry Type	Extruded Aluminium- Dry Design Inert Gas (N2)-Dry Type	Extruded Aluminium- Dry Design Inert Gas (N2)-Dry Type	Extruded Aluminium- Dry Design Inert Gas (N2)-Dry Type
Capacitor Mean Life Expectancy	150,000 Hrs (self-healing capability)	150,000 Hrs (self-healing capability)	150,000 Hrs (self-healing capability)	150,000 Hrs (self-healing capability)	150,000 Hrs (self-healing capability)
Capacitor Safety , Touch Proof Terminals & installation	Over pressure disconnect, Class 2	Over pressure disconnect, Class 2	Over pressure disconnect, Class 2	Over pressure disconnect, Class 2	Over pressure disconnect, Class 2
Capacitor Over Current and Inrush Current(IS)	300% IR & 1.5X IS Continuous	300% IR & 1.5X IS Continuous	300% IR & 1.5X IS Continuous	300% IR & 1.5X IS Continuous	300% IR & 1.5X IS Continuous
Capacitor Over Voltage (Vmax) for 1 Min	900 VAC	900 VAC	900 VAC	900 VAC	900 VAC
Capacitor Temperature Range(Ambient)	(-25 deg C to +55 deg C)	(-25 deg C to +55 deg C)	(-25 deg C to +55 deg C)	(-25 deg C to +55 deg C)	(-25 deg C to +55 deg C)
Harmonic Reactor Type	Heavy Duty, 7% Detuned Harmonic Filter Reactor dedicated for each capacitor step	Heavy Duty, 7% Detuned Harmonic Filter Reactor dedicated for each capacitor step	Heavy Duty, 7% Detuned Harmonic Filter Reactor dedicated for each capacitor step	Heavy Duty, 7% Detuned Harmonic Filter Reactor dedicated for each capacitor step	Heavy Duty, 7% Detuned Harmonic Filter Reactor dedicated for each capacitor step
Saturation Limit	1.8 times In (Ensuring very high linearity)	1.8 times In (Ensuring very high linearity)	1.8 times In (Ensuring very high linearity)	1.8 times In (Ensuring very high linearity)	1.8 times In (Ensuring very high linearity)
Reactor Irms	1.15 x In (Continuous)	1.15 x In (Continuous)	1.15 x In (Continuous)	1.15 x In (Continuous)	1.15 x In (Continuous)
Reactor Material	Quality electrical copper winding with low loss iron core	Quality electrical copper winding with low loss iron core	Quality electrical copper winding with low loss iron core	Quality electrical copper winding with low loss iron core	Quality electrical copper winding with low loss iron core
Reactor Insulation Class	Class H- 180 deg C	Class H- 180 deg C	Class H- 180 deg C	Class H- 180 deg C	Class H- 180 deg C
Reactor inbuilt Safety	NC Thermostat operated @125 deg C	NC Thermostat operated @125 deg C	NC Thermostat operated @125 deg C	NC Thermostat operated @125 deg C	NC Thermostat operated @125 deg C
iSaver Dimensions	51"(1300mm)(H) x 39.3"(1000mm)(W) x 27.5"(700mm)(D)	67"(1700mm)(H) x 39.3"(1000mm)(W) x 29.5"(750mm)(D)	74.7"(1900mm)(H) x 47.2"(1200mm)(W) x 29.5"(750mm)(D)	78.7"(2000mm)(H) x 47.2"(1200mm)(W) x 29.5"(750mm)(D)	82"(2200mm)(H) x 47.2"(1200mm)(W) x 31.5"(800mm)(D)
iSaver Weight	825 lbs (375kg)	1067 lbs (485kg)	1210 lbs (550kg)	1360 lbs (620Kg)	1650 lbs (750Kg)