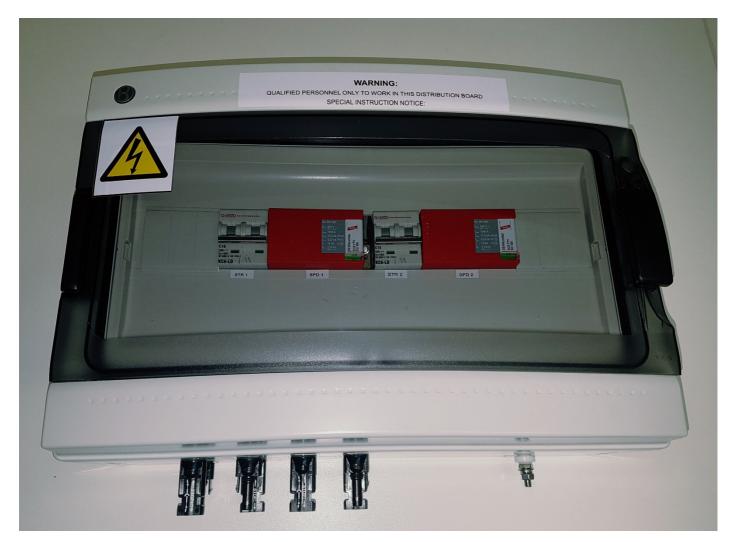
TECHNICAL DATA SHEET



DCB-F12A-4I-150V-I63A-II-10

Product Description: For Axpert 1MPPT 4kW/5kVa_48vdc

Photovoltaic DC Protection Board-Wall Mounted (surface type) IP65. Intended for use with low voltage DC Strings up to 150Vdc and a Max Current of 9A per String. This product caters for the 4 individually connected PV strings (1MPPT Inverters) Isolatable by means of built in miniature circuit breaker. Each String utilises a fuse on the positive string and a terminal on the negative string and has a DC Surge protective device –providing protection. For ease of installation, PV String connection is via original Multi-Contact MC-4 Connectors for input and output via compression glands. A M6 Earth Stud is Provided for earth connection.



Picture shown for illustrative and representative purposes only and may differ from actual Product

Segen Solar (Pty) Ltd Reserves the right to implement Changes to specifications depicted in this datasheet to conform to equipment or Regulatory requirements

Technical Datasheet	
Item Number	DCB-F12A-4I-150V-I16A-II-10
Max. Open Circuit Voltage voc *	150 Vdc
Max Current - On Load Switching**	16Adc / String
Number of individual Strings	4
Number of Inputs	4
Number of Outputs	1
DC String Connection Input***	4 x MC-4 set
DC string Connection Output***	1 x set M20 compression gland
Earth Connection	M6 Brass Earth Stud
Surge Protection Device****	CITEL DC - Type 2
SPD Total Discharge Current (8/20µs) (I total)	20kA
Nominal discharge current (8/20 μs) [(DC+/DC-)> PE] (In)	20kA
Max. discharge current (8/20 µs) [(DC+/DC-)> PE] (I _{max})	40kA
Voltage protection level (UP)	620V
Total discharge current (10/350 μs) [DC+/DC> PE] (Itotal)	-
Lightning impulse current (10/350 μs) [DC+ -> PE/DC> PE] (Iimp)	
Operating state / fault indication	Green / Red
Enclosure****	PVC with Smokey Swing Door
IP Rating	IP65
Double Insulated	Yes
Dimension (H X W X D)	246 x 310 x 148 mm
UV Protection	YES
Halogen Free	YES
Resistance to Impact	IK08
Glow Wire Resistance- Enclosure Only	
Glow whe resistance- Enclosure Only	650 °C
Max. Operating Voltage	650 °C 1000Vac / 1500Vdc
Max. Operating Voltage	
· · · · · ·	1000Vac / 1500Vdc
Max. Operating Voltage	1000Vac / 1500Vdc
Max. Operating Voltage Assembly General Operating Temperature	1000Vac / 1500Vdc -10°C to +40°C
Max. Operating Voltage Assembly General Operating Temperature Notes:	1000Vac / 1500Vdc -10°C to +40°C
Max. Operating Voltage Assembly General Operating Temperature <u>Notes:</u> * Please co-ordiante Max open circuit voltage of PV String with the inverter MF	1000Vac / 1500Vdc -10°C to +40°C PPT Max Voc. hing inverter off-Circuit Breaker may also t
Max. Operating Voltage Assembly General Operating Temperature Notes: * Please co-ordiante Max open circuit voltage of PV String with the inverter MF ** On Load Switching permitted, however, if possible romove load first by switch	1000Vac / 1500Vdc -10°C to +40°C PPT Max Voc. hing inverter off-Circuit Breaker may also t

NB: All equipment to be installed and operated by Qualified Personnel only.

