

# SOLAR DCDB

(1KWp - 50KWp)



Thanks to Compact Design, Efficiency, Safety & Reliability Solar DCDB brings Solar PV Installations to the next level.



- Higher return on investment
- Designed for reliability
- Flexible
- Easy to service
- Easy to Install for all Imaginable Situations
- World Class Quality with Best Industry Price
- Reliable in Extreme Conditions
- Energy Efficiency

## SOLAR DCDB RANGE

TYPE	CAPACITY
Domestic	: 1-10KWp
Utility	: 5-50KWp



# Plug & Play Solution for Rooftop Solar PV Installations



## SOLAR DCDB

(1KWp - 50KWp)

Design, Production, Quality & Service.

### MODELS

GD101 GD102 GD103 GD104 GD105 GD106 GD107 GD108

Rated Voltage	Integrated			1000 VDC	Integrated		
Rated Insulation Voltage				1000 VDC			

### INPUT

No of DC Inputs	2 - 12						
+Ve Inputs	15A (10x38) gPV Fuse						
-Ve Inputs	Fused	-	Fused	-	Fused	-	Fused
Reverse Protection	Yes*						
Max Current in Isc	15A						
Max Current in Imp	10A						
Conductor Size, mm <sup>2</sup>	4-6 mm <sup>2</sup>						
Cable Entry	Gland/MC4 Connectors*						

### OUTPUT

No of DC Outputs		1-12		
DC Isolation	Isolated	Non-Isolated	Isolated	Non-Isolated
Max Current in A		16...32A		
Conductor Size, mm <sup>2</sup>		4-6 mm <sup>2</sup>		
Cable Clamping Area		4-9mm		
Cable Entry		Gland/MC4 Connectors*		

### PROTECTIONS

DC Overvoltage Protection	SPD, Type-2, 40kA, Y	MOV, Type-2, 10kA, Y
Grounding Connection	Direct connection to SPD max. 16mm²	Connected to grounding-clamp up to 16mm²
Cable Entry	(6-13)mm, Polyamide Gland	

### GENERAL

Ingress Protection	IP65/66						
Enclosure Type	PC, Transparent Cover						
Structure mounting	Yes						
Humidity	100% Non-condensing						
Operating conditions	Temp (-20 to +60)°C						
Type of Protections	Short Circuit, Overload, Reverse Power* & Over Voltage*						
Rated Imp. withstand Voltage	8KV DC						
Electrical Insulation	Totally Insulated						
UV Resistance	Yes						
Compliance standards	UTE C 15-712-1, IEC61439-2, 60364, 60947-3, 60364-7-712, 61439-1, UL 98A						
Design Life	25 Years +						

\* Tailor Made Products are available

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