

TECHNICAL DATA SHEET



DCB-NF-4I-1000V-I16A-I_II-10

2 MPPT VERSION

Product Description: HUAWEI -SUN2000-36KTL-

Photovoltaic DC Protection Board-Wall Mounted (surface type) IP65. Intended for use with HIGH voltage DC Strings up to 1000Vdc and a Max Current of 16A per String. This product caters for the 4 individually connected PV strings Isolatable by means of built in DC isolator. One DC Surge protective device per MPPT – individually providing protection to each MPPT. For ease of installation, PV String connection is via original Multi-Contact MC-4 Connectors for input and output connection. A M6 Earth Stud is Provided for earth connection.



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

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Version: Rev 2

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Technical Datasheet

Technical Datasheet	
Item Number- 2 MPPT VERSION	DCB-NF-4I-1000V-I16A-I-II-4O
Max. Open Circuit Voltage V_{oc} *	1000 Vdc
Max Current - On Load Switching**	16 Adc / String
Number of individual Strings	4
Number of Inputs	4
Number of Outputs	4
DC String Connection Input***	4 x MC-4 set
DC string Connection Output***	4 x MC-4 set
Earth Connection	M6 Brass Earth Stud
Surge Protection Device****	CITEL TYPE 1 & 2
SPD Short Circuit Current Rating- (I _{SCPV})	1000 A
SPD Total Discharge Current (8/20 μ s) (I _{total})	60kA
Nominal discharge current (8/20 μ s) [(DC+/DC-) --> PE] (I _n)	15kA
Max. discharge current (8/20 μ s) [(DC+/DC-) --> PE] (I _{max})	40kA
Voltage protection level (U _p)	2.6/4.6kV
Total discharge current (10/350 μ s) [DC+/DC- -> PE] (I _{total})	10kA
Lightning impulse current (10/350 μ s) [DC+ -> PE/DC- -> PE] (I _{imp})	5kA
Operating state / fault indication	Green / Red
Enclosure*****	PVC with Smokey Swing Door
IP Rating	IP65
Double Insulated	Yes
Dimension (H X W X D)	436 x 310 x 148 mm
UV Protection	YES
Halogen Free	YES
Resistance to Impact	IK08
Glow Wire Resistance- Enclosure Only	650 °C
Max. Operating Voltage	1000Vac / 1500Vdc
Assembly General Operating Temperature	-10°C to +40°C
Notes:	
*	Please co-ordiante Max open circuit voltage of PV String with the inverter MPPT Max Voc.
**	On Load Switching permitted, however, if possible remove load first by switching inverter off - Circuit Breaker may also trip in abnomal conditions
***	Please use protective caps for unused MC-4 Connectors- Use MC-4 In-Line connectors for PV String field wire connection
****	SPD Type 2 and Type 1 & 2- according to EN 50539-11
*****	UNE-EN62208 and IEC 62214

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

