

i-POWER

DC POWER SYSTEM DATASHEET

2 KW - 4 KW



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Compact Subrack, Critical Site, Smaller Capacity

This 1U DC power subrack delivers up to 2 kW - 4 kW of reliable power in a smaller design — ideal for installations and critical infrastructure.

Engineered for harsh environments, it operates from -40°C to +65°C and up to 4000 meters altitude, ensuring consistent performance even in the most demanding conditions.



PRODUCT OVERVIEW

Input Distribution	
Parameter	Description
Input Mode	220 VAC Single Phase
Input Terminal	63 A x 1 PN x 1
Input Frequency	45-65 Hz, rated value : 50/60 Hz
AC SPD	None

Output Distribution	
Parameter	Description
Output Voltage	-42~-58VDC, rated value: -53.5VDC
Maximum Capacity	4 kW
Battery Terminal	100 A / 1 PN x 1
Load Terminal	63 A/ 1PN x 2, 32A/1PNx2
DC SPD	10 kA/8/20us

Controller	
Parameter	Description
DI/DO	3 AI(2 Battery temp, 1 ambient temp) , 8 DI,8 DO,3 RS485,1 SPD

Environment	
Parameter	Description
Operating temperature	-40°C - 65°C(non-derating under 55 °C) -40 °C, can startup; 55 ~65°C,linear derating to 80%
Operating humidity	5%~95% (no condensation)
Altitude	0~4000m(If the altitude is within the range of 3000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m.

Dimension	
Parameter	Description
H x W x D	44.45 mm x 482.6 mm x 469.2 mm
Height	1 U

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