



DC/DC 4.5/5kW

On-board power module



Highlights



Optimum power quality performance



Wide operating temperature range



Wide input voltage range



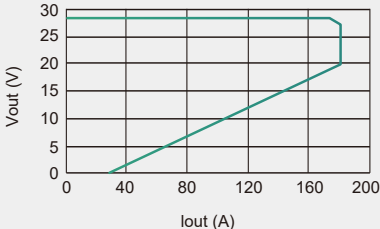
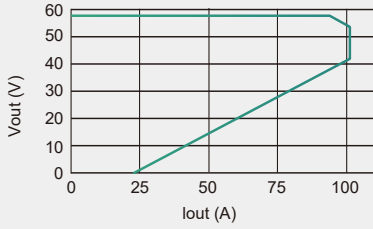
High Efficiency



Robust Protection



Technical Ratings

AC Input		4.5kW	5kW
Heat dissipation method	liquid-cooling, modular, air-cooling		
Input voltage - rated	540Vdc		
Input voltage	180~750Vdc		180~800Vdc
Rated power	4.5kW		5kW
Peak power	4.95kW(<6min)		5.5kW(<6min)
Max. efficiency	96%		96.5%
DC Output			
Rated output voltage	27Vdc		54Vdc
Output voltage range	20~29Vdc		42~58.5Vdc
Rated output current	≤164A, see U/I curve		≤92A, see U/I curve
Output current accuracy			±1.0%
Output voltage accuracy			±1.0%
Ambient Conditions			
Operating temp. range	-40~85°C, (liquid cooling, modular)		-40~55°C, (air cooling)
Operating humidity	0~95%		
Operating altitude	≤2000m		
Mechanical Data			
Dimension (W*D*H)	164*285*56mm(modular), 184*308.5*69.5(liquid-cooling), 184*307.5*110mm(air-cooling)		
Degree of protection	IP 67		
Weight	4kg(modular), 7.7kg(liquid-cooling), 8.8kg(air-cooling)		
Vibration level	Broadband random vibration 6Grms, ISO16750-3/4.1.2.7		
Communication and Protection			
Communication	CAN2.0		
Certification	CE		
Output U/I curve			

* Specifications are subject to change without notice.
The final interpretation belongs to Shenzhen Increase International Co., Ltd.