Solar Charge Controller



DCK-PWM
40A/50A/60A

The Sunflx DCK Series Solar Charge Controller regulates the voltage and current from solar panels to the battery. It features an LCD display with backlight, a 4-stage charging management system (Bulk, ABS, Float, and Equalize every 2 months), and a temperature compensation function for optimal battery performance.

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- Multiple work modes and charging management
- Standard LCD screen for easy parameter setting and viewing
- Battery type selectable: AGM; GEL; WET; Lifepo4
- PV short-circuit protection and charge overcurrent protection
- Built-in battery temperature detection feature

Model	DCK 1240	DCK 1250	DCK 1260	DCK 4840	DCK 4850	DCK 4860
Battery Voltage	12/24Vdc Auto Select			48Vdc		
Charge & Load Current	40A	50A	60A	40A	50A	60A
Charge Mode	PWM, Time And Lighting Control					
Max. Solar Voltage	47Vdc			100Vdc		
Max. Output Power	480W/960W	600W/1200W	720W/1440W	1920W	2400W	2880W
Protections	Reverse Polarity Connection of The Solar Panels; Reverse Polarity Connection of The Battery; Over-Charge; Over-Discharge; Over-Load; Over-Temperature; Short-Circuit					
Overload Protection	Shut Down After 60s in case of 110%-130% Load; Shut Down After 5s in case of 130%-160% Load; Short Circuit: Immediate Shut.					
Temperature Protection	1. When Temperature up to 85℃ , The Controller Will Enter into The First Protection Phase: It Will Lower The PV Input Current in Order to Lower The Temperature. There Is No Alarm on The LCD Display. 2. When Temperature up to 90℃ , The Controller Will Enter into The Second Protection Phase: The PV Input Current Will Be Reduced to Zero, The Load Output Will Be Switched off And A High Temperature Alarm Icon Wil Show on The LCD. 3. After The Temperature Has Decreased to Less Than 82℃ , Controller Will Be Back to Normal Working.					
Self-Consumption	<15mA					
USB	5V 1A					
Temperature Compensation	Yes					
Operating Temperature	-20℃ ~ +50° C (Full Load)					
Humidity Range	≤ 95% (N.C.)					
Dimension (W*H*D)	220*126*63 mm					
Weight	1 KG					