Solar Charge Controller



DCK-PWM
10A/20A/30A

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.

CE RoHS IEC

- 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 1210	DCK 1220	DCK 1230	DCK 4820	DCK 4830
Battery Voltage	12/24Vdc Auto Select			48Vdc	
Charge & Load Current	10A	20A	30A	20A	30A
Charge Mode	PWM, Time And Lighting Control				
Max. Solar Voltage	55Vdc			100Vdc	
Max. Output Power	120W/240W	240W/480W	360W/720W	960W	1440W
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	<10mA				
USB	5V 2A (Total From 2 USB Outputs)				
Terminal Size	6mm²/AWG10				
Mounting	Vertical Wall Mount, Indoor Only				
Cooling	Natural Convection				
Protection Degree	IP20				
Operating Temperature	-20° C~ +50° C (Full Load)				
Humidity Range	≤ 95% (N.C.)				
Dimension (W*H*D)	150*85*35 mm				
Weight	0.23 KG				