

Solar Charge Controller

PWM



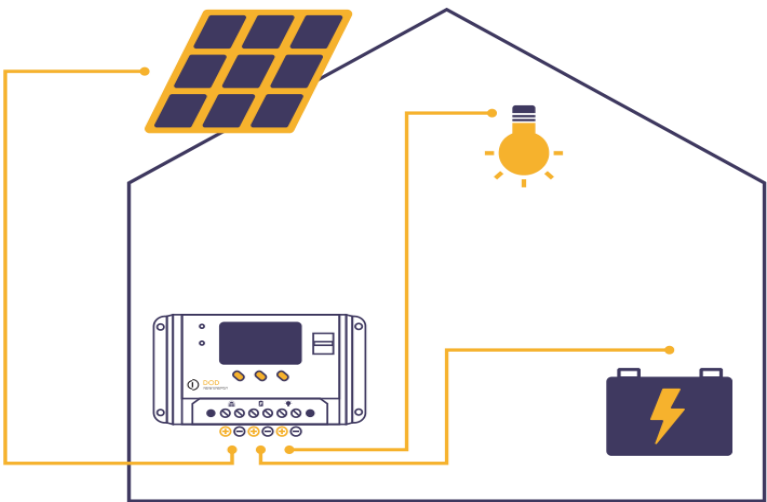
Model : DKTD

- 12V/24V 10A
- 12V/24V 20A
- 12V/24V 30A
- 48V 20A
- 48V 30A
- 60V 20A
- 60V 30A

Features :

- 4-stage charging management :Bulk- ABS- Float + Equalize when low voltage reconnect .
- 6 load working mode settable : Light control ; Light+time control (1-13hours); Manually ; Load always on ; Load always off ; Test mode
- LED indicator showing :solar panel status,battery status,load status,load working mode
- One button setting , simple for operation.
- Standby Loss less than 5mA
- CE ROHS SGS certified

Connection :



Protection Features :

OVER TEMPERATURE PROTECTION

When working temperature raised too high, it will alarm and turn off automatically.

LOW VOLTAGE PROTECTION

When battery voltage becomes too low, it will alarm and turn off automatically.

OVER VOLTAGE PROTECTION

When battery voltage becomes too high, it will alarm and turn off automatically.

OVERLOAD PROTECTION

When the inverter is overload, it will alarm and turn off automatically.

SHORT CIRCUIT PROTECTION

When the wiring is short circuit, it will alarm and turn off automatically.

REVERSE POLARITY PROTECTION

When the battery connection is polarity reversed, it will alarm and turn off automatically.

Quality Conformity :

RoHS: European Directive 2011/65/EU
Standard : IEC62109-1

CE EMC: European EMC Directive 2014/30/EU
Standards: •EMI: EN55015, EN61000-3-2,-3
• EMS: EN61547; EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11

SGS Standard : IEC62109-1:2010
ISO: ISO9001



Parameters :

Model	DKTD1205	DKTD1210	DKTD1220	DKTD1230	DKTD4820	DKTD4830	DKTD6020	DKTD6030
Battery Voltage	12V/24V				48V		60V	
Charge & Load Current	5A	10A	20A	30A	20A	30A	20A	30A
Charge mode	PWM, Time and Lighting Control							
Maximum solar voltage	55V				100V		120V	
Maximum output power	60W/120W	120W/240W	240W/480W	360W/720W	960W	1440W	1200W	1800W
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							
Self-consumption	<5mA				<15mA		<30mA	
Operating temperature	-20°C to +50°C (full load)							
Humidity range	≤95% (N.C.)							
Dimension	140×90.5×28.5mm							
Weight	210g							

Battery Charging Parameters				
Battery Voltage	12V	24V	48V	60V
Over-Charge	17V	34V	68V	85V
Bulk-Recharge	13.2V	26.4V	52.8V	66V
Equalize	14.8V	29.6V	59.2V	74V
Bulk	13.6V	27.2V	54.4V	68V
Absorption	14.2V	28.4V	56.8V	71V
Float	13.8V	27.6V	55.2V	69V
Low-voltage Disconnect	11.2V	22.4V	44.8V	56V
Low-voltage Reconnect	12.6V	25.2V	50.4V	63V

NOTE: Specifications are subject to change without notice