

## PV CONTROLLERS

PV battery controllers are designed to operate as part of a PV power supply system (e.g. solar home system).

They serve to protect the batteries against both overcharging and discharging and to provide operational information.



**K12-3**

**K-150**

**K-300**

**K-500**

	Portable	Portable & Stationary		
Controller type	K12-3	K-150	K-300	K-500
Power output, W	36	150	300	500
Rated voltage, V	12	12	24	24
High voltage disconnect (setting), V	14.4 ± 0.2 (13..15)	14.4 ± 0.2 (13..15)	28.6 ± 0.2 (26..30)	28.6 ± 0.2 (26..30)
Disconnect voltage (setting), V	11.6 ± 0.2 (10.5..12.5)	11.6 ± 0.2 (10.5..12.5)	22.5 ± 0.2 (22..25)	22.5 ± 0.2 (22..25)
Maximum battery current draw, at least, mA	15	55	55	55
Maximum current handling capability, A	3	12.5	12.5	21
Max Weight kg	0,15	0,35	0,35	0,5
Case	IP65	IP20	IP20	IP20
Dimension (tolerances ± 1 mm), mm	115x65x40	157x75x34	157x75x34	200x136x34
Load short circuit protection	fuse 5 Amps	electronic shield 20 Amps	electronic shield 20 Amps	electronic shield 30 Amps
Operating temperature range: -40 / +50 degC				
LED Charging Indicator				
LED Battery disconnect indicator				



Deeter Electronics Inc. follows a policy of continual development of its products and reserves the right to change specifications and/or features without notice

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### **Advantages:**

- Reverse polarity protection
- current leakage protection (blocking diode)

### **Application:**

- Ê12-3 PV controller is designed to operate as part of a portable PV power supply system
- K-300 and K-500 PV controllers are used in portable and stationary high power PV power supply system, and also for storage battery charging



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