

SIMTEK[®]

MPPT

PLUS HYBRID
SOLAR CHARGE CONTROLLER

SIMTEK[®]



MPPT PLUS HYBRID
SOLAR CHARGE CONTROLLER

80A

Solar Reverse
Polarity Protection

Solar Reverse
Current Protection

Battery Over Charge
Protection

Over Heat Protection

Over Current Protection

High PV Voltage Warning

Low Battery Warning

www.simtek.com.pk



*Aiming Green Energy
Green World!*



MODEL	1224K26		1224K38		48K465
OUTPUT VOLTAGE (V)	12V	24V	12V	24V	48V
SOLAR INPUT CAPACITY (KW)	1KW	2KW	1.5KW	3KW	4KW
MIN. OPEN CIRCUIT VOLTAGE (Voc)	30V	60V	30V	60V	90V
MAX. OPEN CIRCUIT VOLTAGE (Voc)	100V	100V	145V	145V	145V
MAX. INPUT CURRENT (A)	17A	34A	17A	34A	36A
MPPT OPERATING VOLTAGE RANGE	22V - 100V	44V - 100V	22V - 145V	44V - 145V	85V - 145V
MAX. OUTPUT CURRENT (A)	60A		80A		65A
MAX. OPERATING TEMPERATURE	80°C				
EFFICIENCY	87% - 95%				
12V / 24V OPEARATING MODE	AUTO DETECT ON STARTUP				-
PROTECTIONS / FEATURES	-		SOLAR REVERSE POLARITY PROTECTION		
	-		SOLAR REVERSE CURRENT PROTECTION		
	BATTERY OVER CHARGE PROTECTION		BATTERY OVER CHARGE PROTECTION		
	OVER HEAT PROTECTION		OVER HEAT PROTECTION		
	OVER CURRENT PROTECTION		OVER CURRENT PROTECTION		
	HIGH PV VOLTAGE WARNING		HIGH PV VOLTAGE WARNING		
	LOW BATTERY WARNING		LOW BATTERY WARNING		
AUDIBLE ALARM	BATTERY OVER CHARGE PROTECTION		SOUNDING EVERY SECOND		
	OVER HEAT PROTECTION				
	OVER CURRENT PROTECTION				
	HIGH PV VOLTAGE WARNING				
	LOW BATTERY WARNING				
UPS/INVERTER AC POWER CONNECTIVITY		3 PIN UNIVERSAL ELECTRICAL POWER SOCKET			
WEIGHT (KG)	2.25 KG		3.1 KG		3.25 KG
DIMENSIONS (LxWxH) (inches)	9.4x7.8x4		12.1x8.7x4.25		



SIMTEK®



The simtek solar charge controller has been designed to track maximum power point of a PV array to obtain the highest level of energy for charging the batteries. Its high PV input voltage range decrease the wire size thus reducing the cost of electrical wires. Three stage charging alogrithem enables the batteries to store maximum electrical energy and prolongs the battery life. The Hybrid function makes it unique by automatically disconnecting the utility power to UPS / inverter as soon as PV array gains ability to run the connected load. This is your ultimate choice to reduce electrical billings.



www.simtek.com.pk