

Solar MPPT Charge Controller



Description

JNC series controller uses intelligent battery charge and discharge management, with temperature compensation attached, better battery management and extend lifespan, RS485 communication interface.

Features:



High efficiency:

- MPPT efficiency $\geq 97\%$;
- System efficiency up to 92%;



Easy & Convenient:

- Easy to install and operate, wall mounted, light weight;



Smart:

- Standard three-stage charging method;
- Intelligent temperature compensation long battery lifespan;
- LCD display parameters in English;
- LED indicate the state real-time;



Safety:

- IP65 protection level, anti-irrigation protection;
- Photovoltaic anti-reverse function;
- Under/over voltage, over temperature, overload and short circuit protection.

Model	JNC40A/12V	JNC40A/24V	JNC40A/36V	JNC40A/48V
PV Input				
Max. pv input voltage	140Vdc	140Vdc	140Vdc	140Vdc
MPPT coltage range	20-190Vdc	30-190Vdc	45-190Vdc	60-190Vdc
Max. input power	580	1150	1750	2300
Max. input current	38	38	38	38
Battery				
Rated voltage	12Vdc	24Vdc	36Vdc	48Vdc
Floating charge voltage(Vdc)	13.5	27	40.5	54
Equalize changng voltage(Vdc)	14.3	28.6	42.9	57.2
Temperature factor	+-0.02%/°C			
Over charge protection(Vdc)	15	30	45	60
Rated output current(A)	40A	40A	40A	40A
Protection voltage(Vdc)	10.5	21	31.5	42
Max. load power(W)	540	1080	1620	2160
Max. load current(A)	40A	40A	40A	40A
General				
Soft start time(S)	<10			
Dynamic recovery time(US)	500			
Max. efficiency	$\geq 96\%$			
Protection level	IP20			
Audible noise	<50dB			
Cooling method	Forced cooling			
Operate temp.	-20 ~ +50°C			
Storage temp.	-25 ~ +70°C			
Interface	RS485			
Dimensions(D/W/H)(mm)	240*200*90			
Weight(Kg)	5		7	
Elevation	2000m(2000 derating operate)			
Standards	CE,IEC 62109-1:62109-2			